



Conducted Default Power for WWAN

GSM850_Ant 13		Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)				Tune-up Limit (dBm)
TX Channel		128	189	251			128	189	251		
Frequency (MHz)		824.2	836.4	848.8			824.2	836.4	848.8		
GSM 1 Tx slot		32.37	32.19	32.38	33.50		23.37	23.19	23.38	24.50	
GPRS 1 Tx slot		32.32	32.14	32.36	33.50		23.32	23.14	23.36	24.50	
GPRS 2 Tx slots		30.64	30.67	30.66	31.50		24.64	24.67	24.66	25.50	
GPRS 3 Tx slots		28.81	28.51	28.83	29.50		24.55	24.25	24.57	25.50	
GPRS 4 Tx slots		27.17	27.12	27.26	28.00		24.17	24.12	24.26	25.00	
EDGE 1 Tx slot		26.87	26.58	26.89	27.50		17.87	17.58	17.89	19.24	
EDGE 2 Tx slots		24.71	24.55	24.78	25.50		18.71	18.55	18.78	19.50	
EDGE 3 Tx slots		22.60	22.35	22.61	23.50		18.34	18.09	18.35	19.24	
EDGE 4 Tx slots		20.95	20.65	20.98	22.00		17.95	17.65	17.98	19.00	

GSM1900_Ant 13		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)					
TX Channel		512	661	810						512	661	810		
Frequency (MHz)		1850.2	1880	1909.8						1850.2	1880	1909.8		
GSM 1 Tx slot		28.95	28.97	29.16				30.50		19.95	19.97	20.16		
GPRS 1 Tx slot		28.93	28.94	29.14				30.50		19.93	19.94	20.14		
GPRS 2 Tx slots		27.20	27.26	27.25				28.50		21.20	21.26	21.25		
GPRS 3 Tx slots		25.04	25.01	25.17				26.50		20.76	20.75	20.91		
GPRS 4 Tx slots		23.55	23.45	23.67				25.00		20.55	20.45	20.67		
EDGE 1 Tx slot		25.73	25.64	25.92				26.50		16.73	16.64	16.92		
EDGE 2 Tx slots		23.65	23.66	23.94				24.50		17.65	17.66	17.94		
EDGE 3 Tx slots		21.24	21.33	21.53				22.50		16.98	17.07	17.27		
EDGE 4 Tx slots		19.26	19.26	19.66				21.00		16.26	16.26	16.66		

Band		WCDMA II_Ant 13				Tune-up Limit (dBm)	WCDMA IV_Ant 31				Tune-up Limit (dBm)
TX Channel		9262	9400	9538			9262	9400	9538		
Rx Channel		9662	9800	9938		9662	9800	9938			
Frequency (MHz)		1852.4	1880	1907.6		1852.4	1880	1907.6			
3GPP Rel 99	AMR 12.2Kbps	22.38	22.39	22.50	23.80	23.04	23.09	23.25	24.20		
3GPP Rel 99	RMC 12.2Kbps	22.39	22.54	22.51	23.80	23.07	23.28	23.27	24.20		
3GPP Rel 6	HSUPA Subtest-1	21.13	21.20	21.37	22.80	21.83	21.93	22.08	23.20		
3GPP Rel 6	HSUPA Subtest-2	21.13	21.17	20.97	22.80	21.86	21.91	21.79	23.20		
3GPP Rel 6	HSUPA Subtest-3	20.67	20.70	20.90	22.30	21.36	21.40	21.57	22.70		
3GPP Rel 6	HSUPA Subtest-4	20.62	20.68	20.88	22.30	21.31	21.41	21.54	22.70		
3GPP Rel 8	DC-HSDPA Subtest-1	21.02	21.12	21.21	22.80	21.67	21.82	22.01	23.20		
3GPP Rel 8	DC-HSDPA Subtest-2	21.04	21.01	20.88	22.80	21.74	21.76	21.68	23.20		
3GPP Rel 8	DC-HSDPA Subtest-3	20.56	20.55	20.82	22.30	21.29	21.31	21.52	22.70		
3GPP Rel 8	DC-HSDPA Subtest-4	20.47	20.62	20.74	22.30	21.25	21.35	21.42	22.70		
3GPP Rel 6	HSUPA Subtest-1	20.71	20.72	20.78	20.80	21.02	20.89	21.19	22.20		
3GPP Rel 6	HSUPA Subtest-2	20.70	20.69	20.75	20.80	21.04	20.92	21.15	22.20		
3GPP Rel 6	HSUPA Subtest-3	21.77	21.76	21.80	21.80	22.09	21.92	22.11	22.20		
3GPP Rel 6	HSUPA Subtest-4	20.22	20.21	20.23	20.30	20.51	20.47	20.72	22.20		
3GPP Rel 6	HSUPA Subtest-5	21.70	21.60	21.70	21.80	21.90	21.90	22.10	22.20		
3GPP Rel 7	ISPA+ (16QAM) Subtest	20.58	20.61	20.62	21.80	20.89	20.81	21.09	22.20		

Band		WCDMA V_Ant 13				Tune-up Limit (dBm)	WCDMA V_Ant 41				Tune-up Limit (dBm)
TX Channel		4132	4182	4233			4132	4182	4233		
Rx Channel		4357	4407	4458		4357	4407	4458			
Frequency (MHz)		826.4	836.4	846.6		826.4	836.4	846.6			
3GPP Rel 99	AMR 12.2Kbps	22.86	22.89	23.01	24.00	22.94	23.01	23.12	24.00		
3GPP Rel 99	RMC 12.2Kbps	22.88	23.04	23.02	24.00	22.96	23.14	23.13	24.00		
3GPP Rel 6	HSUPA Subtest-1	21.84	21.89	21.99	23.00	21.91	22.04	22.09	23.00		
3GPP Rel 6	HSUPA Subtest-2	21.83	21.86	21.98	23.00	21.91	21.97	22.07	23.00		
3GPP Rel 6	HSUPA Subtest-3	21.35	21.38	21.53	22.50	21.45	21.50	21.58	22.50		
3GPP Rel 6	HSUPA Subtest-4	21.32	21.35	21.43	22.50	21.42	21.44	21.56	22.50		
3GPP Rel 8	DC-HSUPA Subtest-1	21.78	21.82	21.83	23.00	21.86	21.94	21.95	23.00		
3GPP Rel 8	DC-HSUPA Subtest-2	21.77	21.78	21.83	23.00	21.80	21.85	22.02	23.00		
3GPP Rel 8	DC-HSUPA Subtest-3	21.19	21.25	21.41	22.50	21.31	21.37	21.51	22.50		
3GPP Rel 8	DC-HSUPA Subtest-4	21.22	21.30	21.38	22.50	21.29	21.32	21.47	22.50		
3GPP Rel 6	HSUPA Subtest-1	20.90	20.90	21.00	21.00	20.94	20.99	20.92	21.00		
3GPP Rel 6	HSUPA Subtest-2	20.94	20.90	20.98	21.00	20.93	20.95	20.89	21.00		
3GPP Rel 6	HSUPA Subtest-3	21.92	21.96	21.98	22.00	21.99	21.82	21.90	22.00		
3GPP Rel 6	HSUPA Subtest-4	20.44	20.42	20.49	20.50	20.46	20.32	20.47	20.50		
3GPP Rel 6	HSUPA Subtest-5	21.90	21.80	21.90	22.00	21.90	21.93	21.90	22.00		
3GPP Rel 7	ISPA+ (16QAM) Subtest	20.80	20.79	20.84	22.00	20.77	20.83	20.84	22.00		

GSM850_Ant 41		Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)				Tune-up Limit (dBm)
TX Channel		128	189	251			128	189	251	Limit (dBm)	
Frequency (MHz)		824.2	836.4	848.8			824.2	836.4	848.8		
GSM 1 Tx slot		32.23	32.20	32.46	33.50		23.23	23.20	23.46	24.50	
GPRS 1 Tx slot		32.25	32.22	32.49	33.50		23.25	23.22	23.49	24.50	
GPRS 2 Tx slots		30.57	30.69	30.68	31.50		24.57	24.69	24.68	25.50	
GPRS 3 Tx slots		28.63	28.56	28.80	29.50		24.37	24.30	24.54	25.50	
GPRS 4 Tx slots		27.13	27.04	27.31	28.00		24.13	24.04	24.31	25.50	
EDGE 1 Tx slot		26.81	26.66	26.94	27.50		17.81	17.66	17.94	18.50	
EDGE 2 Tx slots		24.74	24.53	24.88	25.50		18.74	18.53	18.88	19.50	
EDGE 3 Tx slots		22.42	22.37	22.78	23.50		18.16	18.11	18.52	19.24	
EDGE 4 Tx slots		20.81	20.57	21.13	22.00		17.81	17.57	18.13	19.00	

GSM1900_Ant 31		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		29.30	29.46	29.75	30.50	30.28	30.40	20.75	21.50
GPRS 1 Tx slot		29.28	29.44	29.63	30.50	30.28	30.40	20.75	21.50
GPRS 2 Tx slots		27.58	27.80	27.77	26.50	21.58	21.80	21.77	22.25
GPRS 3 Tx slots		26.41	25.39	25.74	26.50	21.15	21.13	21.48	22.54
GPRS 4 Tx slots		23.87	23.83	24.21	25.00	20.87	20.83	21.21	22.00
EDGE 1 Tx slot		24.67	25.30	25.80	26.50	21.85	21.85	17.37	17.92
EDGE 2 Tx slots		24.07	24.19	24.37	24.50	20.07	18.18	18.37	19.50
EDGE 3 Tx slots		21.47	21.97	21.99	22.50	17.21	17.71	17.73	18.24
EDGE 4 Tx slots		19.47	19.98	20.01	21.00	16.75	16.98	17.01	18.00



Conducted Default Power for WWAN

Band 2_Ant 13														
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / 17 dBm	Power Med Ch / 17 dBm	Power High Ch / 17 dBm	Turn-on time (ms)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	22.36	22.37	22.41	23.5	0	24	0				
20	QPSK	1	48	22.44	22.45	22.52								
20	QPSK	1	96	22.59	22.63	22.61								
20	QPSK	50	0	21.44	21.52	21.51	22.5	1	24	0				
20	QPSK	50	24	21.46	21.57	21.52								
20	QPSK	50	50	21.53	21.48	21.46								
20	QPSK	100	0	21.59	21.63	21.60	22.5	1	24	0				
20	QPSK	100	0	21.42	21.43	21.52								
20	QPSK	1	96	21.86	21.42	22.07								
20	HQAM	1	0	21.62	21.56	21.66	21.5	2	24	0				
20	HQAM	50	0	20.47	20.34	20.70								
20	HQAM	50	24	20.50	20.50	20.60								
20	HQAM	50	50	20.27	20.36	20.65	21.5	2	24	0				
20	HQAM	100	0	20.32	20.33	20.68								
20	HQAM	1	0	20.62	20.62	20.63								
20	HQAM	1	48	20.26	20.18	20.92	21.5	2	24	0				
20	HQAM	1	96	20.51	20.51	20.73								
20	HQAM	50	0	19.32	19.33	19.73								
20	HQAM	50	24	19.35	19.36	19.67	20.5	3	24	0				
20	HQAM	50	50	19.21	19.32	19.68								
20	HQAM	100	0	19.30	19.29	19.67								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.16	22.27	22.48	23.5	0	24	0				
15	QPSK	1	37	22.47	22.52	22.51								
15	QPSK	1	74	22.47	22.52	22.48								
15	QPSK	50	0	21.45	21.38	21.64	22.5	1	24	0				
15	QPSK	50	24	21.43	21.39	21.69								
15	QPSK	50	50	21.37	21.44	21.68								
15	QPSK	50	0	21.38	21.38	21.71	22.5	1	24	0				
15	HQAM	1	0	21.23	21.40	21.47								
15	HQAM	1	37	21.37	21.44	21.72								
15	HQAM	1	74	21.45	21.66	21.61	21.5	2	24	0				
15	HQAM	50	0	20.59	20.55	20.70								
15	HQAM	50	24	20.57	20.57	20.74								
15	HQAM	50	50	20.32	20.35	20.64	21.5	2	24	0				
15	HQAM	100	0	20.49	20.59	20.70								
15	HQAM	1	0	20.28	20.60	20.80								
15	HQAM	1	37	20.62	20.68	20.71	20.5	3	24	0				
15	HQAM	1	74	20.43	20.66	20.53								
15	HQAM	50	0	19.35	19.32	19.72								
15	HQAM	50	24	19.40	19.37	19.71	20.5	3	24	0				
15	HQAM	50	50	19.30	19.38	19.76								
15	HQAM	100	0	19.37	19.32	19.63								
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.53	22.57	22.54	23.5	0	24	0				
10	QPSK	1	35	22.41	22.35	22.59								
10	QPSK	1	70	22.36	22.32	22.66								
10	QPSK	50	0	21.37	21.34	21.76	22.5	1	24	0				
10	QPSK	50	24	21.47	21.52	21.73								
10	QPSK	50	50	21.44	21.47	21.78								
10	QPSK	50	0	21.47	21.41	21.76	22.5	1	24	0				
10	HQAM	1	0	21.70	21.81	21.67								
10	HQAM	1	35	21.48	21.65	21.62								
10	HQAM	1	70	21.81	21.68	21.75	21.5	2	24	0				
10	HQAM	50	0	20.43	20.42	20.68								
10	HQAM	50	24	20.39	20.33	20.71								
10	HQAM	50	50	20.32	20.37	20.74	21.5	2	24	0				
10	HQAM	100	0	20.57	20.58	20.69								
10	HQAM	1	0	20.43	20.38	20.64								
10	HQAM	1	35	20.48	20.42	20.51	20.5	3	24	0				
10	HQAM	1	70	20.48	20.38	20.64								
10	HQAM	50	0	19.38	19.38	19.60								
10	HQAM	50	24	19.40	19.33	19.63	20.5	3	24	0				
10	HQAM	50	50	19.30	19.38	19.76								
10	HQAM	100	0	19.40	19.34	19.70								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.42	22.46	22.51	23.5	0	24	0				
5	QPSK	1	12	22.42	22.46	22.52								
5	QPSK	1	24	22.48	22.38	22.51								
5	QPSK	12	0	21.38	21.44	21.77	22.5	1	24	0				
5	QPSK	12	6	21.41	21.47	21.70								
5	QPSK	12	12	21.36	21.34	21.65								
5	QPSK	25	0	21.43	21.37	21.68	22.5	1	24	0				
5	HQAM	1	0	21.67	21.52	21.68								
5	HQAM	1	12	21.48	21.28	22.02								
5	HQAM	1	24	21.71	21.43	21.64	21.5	2	24	0				
5	HQAM	12	0	20.31	20.36	20.59								
5	HQAM	12	6	20.42	20.28	20.63								
5	HQAM	12	12	20.58	20.38	20.58	21.5	2	24	0				
5	HQAM	25	0	20.35	20.34	20.72								
5	HQAM	1	0	20.66	20.66	20.56								
5	HQAM	1	24	20.72	20.65	20.60	20.5	3	24	0				
5	HQAM	1	12	20.72	20.65	20.60								
5	HQAM	12	0	19.43	19.33	19.67								
5	HQAM	12	6	19.42	19.36	19.65	20.5	3	24	0				
5	HQAM	12	12	19.31	19.32	19.75								
5	HQAM	25	0	19.27	19.26	19.53								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.44	22.46	22.46	23.5	0	24	0				
1.4	QPSK	1	5	22.44	22.37	22.49								
1.4	QPSK	1	5	22.24	22.51	22.53								
1.4	QPSK	3	0	22.21	22.31	22.47	22.5	1	24	0				
1.4	QPSK	3	5	22.23	22.48	22.45								
1.4	QPSK	3	5	22.23	22.48	22.45								
1.4	QPSK	6	0	21.31	21.46	21.64	22.5	1	24	0				
1.4	HQAM	1	0	21.26	21.74	21.48								
1.4	HQAM	1	5	21.59	21.71	21.87								
1.4	HQAM	1	5	21.72	21.54	21.48	21.5	2	24	0				
1.4	HQAM	3	0	21.40	21.36	21.68								
1.4	HQAM	3	5	21.40	21.48	21.65								
1.4	HQAM	3	5	21.38	21.45	21.62	21.5	2	24	0				
1.4	HQAM	6	0	20.34	20.48	20.63								
1.4	HQAM	6	5	20.36	20.61	20.62								
1.4	HQAM	1	0	20.61	20.62	20.80	21.5	2	24	0				
1.4	HQAM	1	5	20.37	20.60	20.57								
1.4	HQAM	1	5	20.41	20.62	20.74								
1.4	HQAM	1	5	20.59	20.34	20.43	20.5	3	24	0				
1.4	HQAM	1	5	20.37	20.11	20.88								
1.4	HQAM	5	0	19.48	19.37	19.53								

Band 4_Ant 31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Media Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turn-up time (sec)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.56	22.51	22.50	24	0		
20	QPSK	1	40	22.58	22.59	22.59				
20	QPSK	1	80	22.61	22.62	22.62				
20	QPSK	50	0	21.51	21.54	21.53				
20	QPSK	50	24	21.43	21.56	21.54	23	1		
20	QPSK	100	0	21.48	21.53	21.51				
20	ISDM	1	0	21.61	21.62	21.62				
20	ISDM	1	40	21.61	21.69	21.60				
20	ISDM	1	80	21.65	21.72	21.67	23	1		
20	ISDM	50	0	20.51	20.52	20.51				
20	ISDM	50	24	20.47	20.51	20.49				
20	ISDM	100	0	20.46	20.24	20.48				
20	ISDM	1	0	20.58	20.54	20.58	22	2		
20	ISDM	1	40	20.69	20.70	20.70				
20	ISDM	50	0	19.66	19.58	19.66				
20	ISDM	50	24	19.61	19.54	19.62				
20	ISDM	100	0	19.64	19.45	19.58	21	3		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.57	22.52	22.53	24	0		
10	QPSK	1	40	22.58	22.56	22.53				
10	QPSK	1	80	22.61	22.62	22.62				
10	QPSK	36	0	21.48	21.38	21.48				
10	QPSK	36	20	21.39	21.42	21.43	23	1		
10	QPSK	76	0	21.38	21.39	21.40				
10	ISDM	1	0	21.38	21.37	21.41				
10	ISDM	1	17	21.79	21.62	21.35				
10	ISDM	1	34	21.46	21.68	21.31	23	1		
10	ISDM	36	0	20.52	20.34	20.39				
10	ISDM	36	20	20.53	20.37	20.42				
10	ISDM	36	36	20.43	20.46	20.39				
10	ISDM	76	0	20.48	20.49	20.38	22	2		
10	ISDM	36	50	20.53	20.78	20.38				
10	ISDM	1	107	20.52	20.49	20.64				
10	ISDM	1	0	20.52	20.45	20.48				
10	ISDM	36	0	19.55	19.58	19.55	22	2		
10	ISDM	36	20	19.61	19.66	19.43				
10	ISDM	36	36	19.67	19.43	19.50				
10	ISDM	76	0	19.71	19.53	19.46				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.50	22.43	22.44	24	0		
10	QPSK	1	20	22.41	22.45	22.58				
10	QPSK	1	40	22.35	22.24	22.23				
10	QPSK	26	0	21.44	21.36	21.43				
10	QPSK	26	10	21.44	21.37	21.46	23	1		
10	QPSK	50	0	21.52	21.38	21.42				
10	ISDM	1	0	21.68	21.69	21.68				
10	ISDM	1	20	21.58	21.84	21.83				
10	ISDM	1	40	21.39	21.46	21.75	23	1		
10	ISDM	26	0	20.44	20.43	20.43				
10	ISDM	26	10	20.42	20.35	20.31				
10	ISDM	50	0	20.56	20.34	20.48				
10	ISDM	50	10	20.45	20.38	20.33	22	2		
10	ISDM	1	26	20.77	20.23	20.75				
10	ISDM	1	40	20.71	20.31	20.11				
10	ISDM	26	0	19.76	19.54	19.65				
10	ISDM	26	10	19.55	19.51	19.51	21	3		
10	ISDM	26	20	19.62	19.43	19.50				
10	ISDM	50	0	19.63	19.37	19.57				
10	ISDM	76	0	19.71	19.53	19.46				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.46	22.49	22.47	24	0		
5	QPSK	1	10	22.57	22.52	22.38				
5	QPSK	1	20	22.42	22.35	22.30				
5	QPSK	12	0	21.52	21.42	21.43				
5	QPSK	12	10	21.45	21.38	21.40	23	1		
5	QPSK	12	10	21.39	21.37	21.38				
5	QPSK	26	0	21.47	21.42	21.38				
5	ISDM	1	0	21.65	21.55	21.53				
5	ISDM	1	10	21.58	21.51	21.82	23	1		
5	ISDM	1	24	21.76	21.75	21.74				
5	ISDM	1	40	21.47	21.37	21.44				
5	ISDM	10	7	20.41	20.37	20.35				
5	ISDM	10	10	20.33	20.34	20.36	22	2		
5	ISDM	26	0	20.42	20.35	20.47				
5	ISDM	1	0	20.51	20.47	20.45				
5	ISDM	1	24	20.51	20.36	20.32				
5	ISDM	1	24	20.51	20.36	20.32	22	2		
5	ISDM	12	0	19.68	19.52	19.53				
5	ISDM	12	10	19.62	19.65	19.59				
5	ISDM	12	10	19.58	19.52	19.54				
5	ISDM	26	0	19.53	19.53	19.52	21	3		
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.49	22.43	22.45	24	0		
3	QPSK	1	0	22.50	22.33	22.21				
3	QPSK	1	20	22.41	22.48	22.39				
3	QPSK	6	0	21.47	21.39	21.43				
3	QPSK	6	0	21.46	21.37	21.44	23	1		
3	QPSK	6	10	21.38	21.35	21.39				
3	QPSK	18	0	21.45	21.36	21.38				
3	ISDM	1	0	21.65	21.55	21.53				
3	ISDM	1	10	21.66	21.71	21.72	23	1		
3	ISDM	1	14	21.80	21.46	21.81				
3	ISDM	6	0	20.83	20.48	20.51				
3	ISDM	6	0	20.81	20.42	20.29				
3	ISDM	6	0	20.87	20.47	20.47	22	2		
3	ISDM	6	10	20.27	20.46	20.27				
3	ISDM	14	0	20.66	20.60	20.68				
3	ISDM	6	0	19.71	19.59	19.47				
3	ISDM	6	0	19.65	19.56	19.56	21	3		
3	ISDM	6	2	19.60	19.52	19.64				
3	ISDM	15	0	19.55	19.55	19.59				
3	ISDM	15	0	19.55	19.55	19.59				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.58	22.47	22.54	24	0		
1.4	QPSK	1	0	22.58	22.46	22.33				
1.4	QPSK	1	5	22.44	22.43	22.52				
1.4	QPSK	3	1	22.42	22.46	22.24				
1.4	QPSK	3	1	22.45	22.36	22.28	23	1		
1.4	QPSK	3	1	21.48	21.43	21.51				
1.4	ISDM	1	0	21.35	21.53	21.65				
1.4	ISDM	1	1	21.39	21.45	21.35				
1.4	ISDM	1	5	21.68	21.68	21.58	23	1		
1.4	ISDM	3	0	21.46	21.39	21.35				
1.4	ISDM	3	1	21.48	21.48	21.43				
1.4	ISDM	3	1	21.58	21.30	21.37				
1.4	ISDM	6	0	20.51	20.42	20.45	22	2		
1.4	ISDM	6	0	20.50	20.40	20.57				
1.4	ISDM	1	5	20.57	20.57	20.52				
1.4	ISDM	1	5	20.61	20.40	20.56				
1.4	ISDM	3	1	20.52	20.14	20.32	21	3		
1.4	ISDM	3	1	20.23	20.28	20.49				
1.4	ISDM	6	0	19.72	19.53	19.68				

Band 5_Ant 13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. Freq. (MHz)	Power Media Ch. Freq. (MHz)	Power Power Ch. Freq. (MHz)	Turn-up time (sec)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.60	22.66	22.67	24.5	0		
16	QPSK	1	26	22.71	22.80	22.81				
17	QPSK	1	49	22.70	22.87	22.73				
18	QPSK	1	73	22.70	22.87	22.83				
19	QPSK	1	97	22.70	22.87	22.89				
15	QPSK	26	12	21.72	21.86	21.94	23.5	1		
16	QPSK	26	36	21.71	21.88	21.86				
17	QPSK	26	60	21.75	21.92	21.87				
18	QPSK	26	84	21.75	21.92	21.94				
19	QPSK	26	108	21.75	21.92	21.97				
15	SCDMA	1	0	22.65	22.70	22.67	22.5			
16	SCDMA	1	26	22.68	22.76	22.74				
17	SCDMA	1	50	22.68	22.76	22.74				
18	SCDMA	1	74	22.68	22.76	22.74				
19	SCDMA	1	98	22.68	22.76	22.74				
15	SCDMA	26	12	20.64	20.68	20.71	22.5			
16	SCDMA	26	36	20.74	20.78	20.79				
17	SCDMA	26	60	20.74	20.78	20.79				
18	SCDMA	26	84	20.74	20.78	20.79				
19	SCDMA	26	108	20.74	20.78	20.79				
15	SCDMA	1	0	20.72	20.76	20.76	22.5			
16	SCDMA	1	26	20.72	20.76	20.76				
17	SCDMA	1	50	20.72	20.76	20.76				
18	SCDMA	1	74	20.72	20.76	20.76				
19	SCDMA	1	98	20.72	20.76	20.76				
15	SCDMA	26	12	19.64	19.70	19.89	21.5			
16	SCDMA	26	36	19.64	19.70	19.89				
17	SCDMA	26	60	19.64	19.70	19.89				
18	SCDMA	26	84	19.64	19.70	19.89				
19	SCDMA	26	108	19.64	19.70	19.89				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.84	22.83	22.83	24.5	0		
4	QPSK	1	12	22.82	22.83	22.83				
5	QPSK	1	24	22.84	22.75	22.84				
6	QPSK	1	36	22.84	22.75	22.84				
7	QPSK	1	48	22.84	22.75	22.84				
3	QPSK	12	7	21.80	21.86	21.86	23.5	1		
4	QPSK	12	19	21.80	21.77	21.78				
5	QPSK	12	31	21.79	21.86	21.86				
6	QPSK	12	43	21.81	22.22	22.22				
7	QPSK	12	55	21.81	22.22	22.22				
3	SCDMA	1	0	20.77	20.76	20.76	22.5			
4	SCDMA	1	24	20.77	20.76	20.76				
5	SCDMA	1	48	20.77	20.76	20.76				
6	SCDMA	1	72	20.77	20.76	20.76				
7	SCDMA	1	96	20.77	20.76	20.76				
3	SCDMA	12	13	20.81	20.80	20.74	22.5			
4	SCDMA	12	25	20.81	20.80	20.74				
5	SCDMA	12	37	20.83	20.84	20.82				
6	SCDMA	12	49	20.83	20.84	20.82				
7	SCDMA	12	61	20.83	20.84	20.82				
3	SCDMA	1	0	21.77	21.73	21.73	22.5			
4	SCDMA	1	12	21.77	21.73	21.73				
5	SCDMA	1	24	21.77	21.73	21.73				
6	SCDMA	1	36	21.77	21.73	21.73				
7	SCDMA	1	48	21.77	21.73	21.73				
3	SCDMA	12	13	19.90	19.98	19.99	21.5			
4	SCDMA	12	25	19.90	19.98	19.99				
5	SCDMA	12	37	19.90	19.98	19.99				
6	SCDMA	12	49	19.90	19.98	19.99				
7	SCDMA	12	61	19.90	19.98	19.99				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.75	22.81	22.85	24.5	0		
4	QPSK	1	8	22.82	22.77	22.81				
5	QPSK	1	16	22.77	22.82	22.78				
6	QPSK	1	24	22.77	22.82	22.78				
7	QPSK	1	32	22.77	22.82	22.78				
3	QPSK	6	4	21.80	21.80	21.89	23.5	1		
4	QPSK	6	7	21.77	21.85	21.88				
5	QPSK	6	14	21.78	21.88	21.89				
6	QPSK	6	21	21.83	21.74	22.20				
7	QPSK	6	28	21.83	21.74	22.20				
3	SCDMA	1	0	20.72	20.76	20.76	22.5			
4	SCDMA	1	8	20.72	20.76	20.76				
5	SCDMA	1	16	20.72	20.76	20.76				
6	SCDMA	1	24	20.72	20.76	20.76				
7	SCDMA	1	32	20.72	20.76	20.76				
3	SCDMA	6	4	19.73	19.87	19.89	21.5			
4	SCDMA	6	7	19.78	19.70	19.77				
5	SCDMA	6	14	19.78	19.70	19.77				
6	SCDMA	6	21	19.78	19.70	19.77				
7	SCDMA	6	28	19.78	19.70	19.77				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.75	22.77	22.77	24.5	0		
4	QPSK	1	3	22.81	22.63	22.84				
5	QPSK	1	6	22.72	22.76	22.83				
6	QPSK	1	9	22.78	22.77	22.81				
7	QPSK	1	12	22.83	22.76	22.84				
3	QPSK	6	4	20.80	20.77	20.88	23.5	1		
4	QPSK	6	7	20.80	20.77	20.88				
5	QPSK	6	14	20.80	20.77	20.88				
6	QPSK	6	21	20.80	20.77	20.88				
7	QPSK	6	28	20.80	20.77	20.88				
3	SCDMA	1	0	22.32	22.27	22.35	22.5			
4	SCDMA	1	3	22.32	22.27	22.35				
5	SCDMA	1	6	22.32	22.27	22.35				
6	SCDMA	1	9	22.32	22.27	22.35				
7	SCDMA	1	12	22.32	22.27	22.35				
3	SCDMA	6	4	22.20	21.99	22.12	22.5			
4	SCDMA	6	7	22.20	21.99	22.12				
5	SCDMA	6	14	21.83	21.83	21.92				
6	SCDMA	6	21	21.83	21.83	21.92				
7	SCDMA	6	28	21.72	21.72	21.85				
3	SCDMA	6	0	20.80	20.83	20.90	22.5			
4	SCDMA	6	3	20.80	20.83	20.90				
5	SCDMA	6	6	20.80	20.83	20.90				
6	SCDMA	6	9	20.80	20.83	20.90				
7	SCDMA	6	12	20.80	20.83	20.90				
3	SCDMA	1	0	20.82	20.89	20.97	21.5			
4	SCDMA	1	3	20.82	20.89	20.97				
5	SCDMA	1	6	20.82	20.89	20.97				
6	SCDMA	1	9	20.82	20.89	20.97				
7	SCDMA	1	12	20.82	20.89	20.97				



Conducted Default Power for WWAN

Band 7_Ant 13														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq Ch / Freq	Power Mids Ch / Freq Ch / Freq	Power High Ch / Freq Ch / Freq	Turn-up time (sec)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	21.88	21.78	21.88	23	0						
20	QPSK	1	48	21.95	21.88	21.95								
20	QPSK	1	96	21.91	21.75	21.82								
20	QPSK	50	0	20.88	20.83	20.86	22	1						
20	QPSK	50	24	20.96	21.16	21.15								
20	QPSK	50	50	20.88	20.83	21.03								
20	QPSK	100	0	20.85	20.85	20.89	21	2						
20	QPSK	100	0	20.82	21.37	20.75								
20	QPSK	100	0	20.82	21.37	20.75								
20	QPSK	1	96	20.83	20.74	21.36	22	1						
20	QPSK	1	96	21.36	20.80	21.35								
20	QPSK	50	0	19.80	19.75	20.02								
20	QPSK	50	24	19.86	19.82	20.05	21	2						
20	QPSK	50	50	19.83	19.85	20.21								
20	QPSK	100	0	19.80	19.73	20.02								
20	QPSK	1	0	20.75	20.65	20.12	21	2						
20	QPSK	1	48	20.17	20.08	20.12								
20	QPSK	1	96	19.71	20.07	20.32								
20	QPSK	50	0	19.83	19.83	19.83	20	3						
20	QPSK	50	24	19.85	19.83	19.83								
20	QPSK	50	50	19.82	19.76	19.18								
20	QPSK	100	0	19.79	19.76	19.80	Turn-up time (sec)	MPR (dB)						
Channel														
20565 21100 21475														
15	QPSK	1	0	21.05	21.06	21.91	23	0						
15	QPSK	1	37	21.56	21.56	21.97								
15	QPSK	1	74	21.73	21.85	21.98								
15	QPSK	50	0	20.83	20.82	21.07	22	1						
15	QPSK	50	24	21.03	20.98	21.14								
15	QPSK	50	50	21.00	20.93	21.19								
15	QPSK	100	0	21.49	21.22	21.80	22	1						
15	QPSK	100	0	21.44	21.25	21.81								
15	QPSK	100	0	21.44	21.25	21.81								
15	QPSK	1	74	21.34	21.04	21.41	21	2						
15	QPSK	50	0	19.88	19.81	20.10								
15	QPSK	50	24	19.87	19.88	20.08								
15	QPSK	50	50	19.88	19.88	20.15	21	2						
15	QPSK	100	0	20.02	19.98	20.18								
15	QPSK	100	0	20.06	19.90	20.22								
15	QPSK	1	37	20.85	20.12	20.38	21	2						
15	QPSK	1	74	20.87	20.14	20.19								
15	QPSK	1	74	20.87	20.14	20.19								
15	QPSK	50	0	19.88	19.86	19.85	20	3						
15	QPSK	50	24	19.88	19.88	19.12								
15	QPSK	50	50	19.87	19.87	19.87								
15	QPSK	100	0	19.88	19.82	19.87	Turn-up time (sec)	MPR (dB)						
Channel														
20565 21100 21450														
15	QPSK	1	0	21.90	21.91	21.89	23	0						
15	QPSK	1	25	21.98	21.96	21.97								
15	QPSK	1	49	21.92	21.87	21.98								
15	QPSK	50	0	20.88	20.88	21.01	22	1						
15	QPSK	50	12	21.04	20.97	21.02								
15	QPSK	50	25	21.03	20.90	21.14								
15	QPSK	50	0	20.87	21.01	21.13	22	1						
15	QPSK	1	0	21.48	21.07	21.35								
15	QPSK	1	25	21.15	21.48	21.38								
15	QPSK	1	96	21.07	21.38	20.91	21	2						
15	QPSK	50	0	19.85	19.87	19.85								
15	QPSK	50	12	20.08	19.95	20.02								
15	QPSK	50	25	20.07	20.08	20.15	21	2						
15	QPSK	100	0	20.04	20.05	20.30								
15	QPSK	100	0	20.02	20.05	20.43								
15	QPSK	50	0	19.86	19.85	19.85	20	3						
15	QPSK	50	12	19.82	19.83	19.88								
15	QPSK	50	25	19.80	19.82	19.15								
15	QPSK	100	0	19.87	19.81	19.84	Turn-up time (sec)	MPR (dB)						
Channel														
20575 21100 21425														
20575 21055 20975														
5	QPSK	1	0	21.94	21.95	21.96	23	0						
5	QPSK	1	12	21.98	21.95	21.98								
5	QPSK	1	24	21.95	21.94	21.95								
5	QPSK	12	0	21.05	21.02	21.18	22	1						
5	QPSK	12	7	20.99	20.93	21.15								
5	QPSK	12	13	21.08	20.91	21.11								
5	QPSK	25	0	21.07	20.95	21.14	22	1						
5	QPSK	25	0	21.05	21.00	20.93								
5	QPSK	1	12	21.12	21.18	21.80								
5	QPSK	1	24	21.44	21.10	21.32	21	2						
5	QPSK	50	0	20.11	20.00	20.12								
5	QPSK	50	7	20.03	19.88	20.18								
5	QPSK	100	0	20.10	19.88	20.09	21	2						
5	QPSK	100	0	20.05	19.80	20.14								
5	QPSK	100	0	20.07	20.18	20.18								
5	QPSK	1	0	20.31	20.27	20.37	21	2						
5	QPSK	1	24	20.31	20.25	20.14								
5	QPSK	12	0	19.13	19.88	19.14								
5	QPSK	12	7	19.90	19.86	19.14	20	3						
5	QPSK	12	13	19.04	19.88	19.09								
5	QPSK	25	0	19.08	19.87	19.09								

Band 7_Ant 31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up time (sec)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.96	21.84	21.97	23.5	0		
20	QPSK	1	48	22.00	22.28	22.23				
20	QPSK	1	96	21.74	21.90	22.22				
20	QPSK	50	0	20.82	20.86	21.18	22.5	1		
20	QPSK	50	24	20.86	21.25	21.19				
20	QPSK	50	50	20.85	21.12	21.09				
20	QPSK	100	0	20.82	21.16	21.07	22.5	1		
20	QPSK	100	0	21.30	21.45	21.01				
20	QPSK	100	0	21.30	21.45	21.01				
20	QPSK	1	96	21.31	20.98	21.45	21.5	2		
20	QPSK	1	96	20.94	20.91	21.25				
20	QPSK	50	0	19.88	19.97	20.08				
20	QPSK	50	24	19.85	19.86	20.24	21.5	2		
20	QPSK	50	50	19.87	19.88	20.38				
20	QPSK	100	0	19.87	19.89	20.24				
20	QPSK	100	0	19.87	19.89	20.24				
20	QPSK	1	96	21.35	21.02	21.49	20.5	3		
20	QPSK	1	96	21.35	21.02	21.49				
20	QPSK	50	24	18.93	18.95	19.17				
20	QPSK	50	50	18.93	18.95	19.17				
20	QPSK	50	50	18.97	18.91	19.35				
20	QPSK	100	0	18.93	18.98	19.25				
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.57	21.51	21.69	23.5	0		
15	QPSK	1	37	21.62	21.65	21.82				
15	QPSK	1	74	21.54	21.67	21.80				
15	QPSK	50	0	20.55	20.51	20.74	22.5	1		
15	QPSK	50	20	20.65	20.69	20.82				
15	QPSK	50	50	20.61	20.63	20.89				
15	QPSK	100	0	20.55	20.68	20.82	22.5	1		
15	QPSK	100	0	21.08	21.05	21.20				
15	QPSK	100	0	21.08	21.05	21.20				
15	QPSK	1	74	21.51	21.64	21.74	21.5	2		
15	QPSK	1	74	21.51	21.64	21.74				
15	QPSK	50	24	21.08	21.08	21.14				
15	QPSK	50	50	21.05	21.06	21.65				
15	QPSK	100	0	21.03	21.03	21.02				
15	QPSK	100	0	21.05	21.07	21.86				
15	QPSK	75	0	19.60	19.65	19.81				
15	QPSK	75	0	19.60	19.65	19.81				
15	QPSK	1	37	19.89	19.77	20.28				
15	QPSK	1	74	19.57	19.72	19.63				
15	QPSK	1	74	19.54	19.64	19.84				
15	QPSK	50	20	18.72	18.73	18.80				
15	QPSK	50	50	18.59	18.62	18.80				
15	QPSK	75	0	18.58	18.61	18.85				
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.65	21.50	21.70	23.5	0		
10	QPSK	1	25	21.67	21.62	21.88				
10	QPSK	1	49	21.84	21.56	21.88				
10	QPSK	50	0	20.55	20.51	20.83	22.5	1		
10	QPSK	50	12	20.64	20.64	20.85				
10	QPSK	50	50	20.62	20.60	20.82				
10	QPSK	100	0	20.55	20.68	20.82	22.5	1		
10	QPSK	100	0	20.55	20.68	20.82				
10	QPSK	100	0	20.55	20.68	20.82				
10	QPSK	1	49	21.11	21.08	21.23	21.5	2		
10	QPSK	25	0	19.68	19.53	19.65				
10	QPSK	25	0	19.67	19.53	19.65				
10	QPSK	25	0	19.62	19.51	19.84	21.5	2		
10	QPSK	50	0	19.65	19.65	19.74				
10	QPSK	50	0	19.65	19.65	19.74				
10	QPSK	1	25	19.62	19.84	19.82				
10	QPSK	1	25	19.67	19.66	20.28				
10	QPSK	1	25	19.64	19.65	19.89				
10	QPSK	25	12	18.65	18.57	18.87				
10	QPSK	25	12	18.63	18.66	18.78				
10	QPSK	50	0	18.59	18.59	18.79				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.55	21.73	21.75	23.5	0		
5	QPSK	1	12	21.58	21.50	21.84				
5	QPSK	1	24	21.51	21.55	22.05				
5	QPSK	50	0	20.55	20.51	20.82	22.5	1		
5	QPSK	50	7	20.65	20.65	20.85				
5	QPSK	50	13	20.60	20.54	20.78				
5	QPSK	100	0	20.55	20.68	20.81	22.5	1		
5	QPSK	100	0	20.61	20.51	21.21				
5	QPSK	100	0	20.61	20.51	21.21				
5	QPSK	1	24	20.78	20.54	21.12				
5	QPSK	12	0	19.58	19.58	19.75				
5	QPSK	12	0	19.58	19.58	19.75				
5	QPSK	12	13	19.51	19.55	19.74	21.5	2		
5	QPSK	25	0	19.54	19.52	19.72				
5	QPSK	25	0	19.52	19.52	19.72				
5	QPSK	1	12	19.74	19.71	19.86				
5	QPSK	1	12	19.81	19.79	20.13				
5	QPSK	1	12	19.82	19.82	19.87				
5	QPSK	12	7	18.59	18.55	18.79				
5	QPSK	12	13	18.68	18.58	18.75				
5	QPSK	12	13	18.68	18.58	18.75				



Conducted Default Power for WWAN

Band 12_Ant 41										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (mW)	Power High Ch. 1 (mW)	Power Low Ch. 2 (mW)	Power High Ch. 2 (mW)	Turn-up time (sec)	MPE (dB)	
Channel										
Frequency (MHz)										
24.5										
10	QPSK	1	0	23.33	23.33	23.33	23.33	24.5	0	
10	QPSK	1	26	23.49	23.52	23.43	23.43			
10	QPSK	1	49	23.47	23.49	23.41	23.41			
10	QPSK	25	0	23.43	23.45	23.33	23.44			
10	QPSK	25	12	22.44	22.47	22.24	22.24	23.5	1	
10	QPSK	25	25	22.38	22.38	22.24	22.24			
10	QPSK	50	0	22.51	22.53	22.20	22.20			
10	16QAM	1	0	22.45	22.77	22.41	22.41			
10	16QAM	1	25	22.68	22.59	22.46	22.46	23.5	1	
10	16QAM	1	49	22.48	22.51	22.35	22.35			
10	16QAM	25	0	21.40	21.39	21.31	21.31			
10	16QAM	25	12	21.41	21.36	21.36	21.36			
10	16QAM	25	25	21.38	21.32	21.15	21.15	22.5	2	
10	16QAM	50	0	21.48	21.48	21.15	21.15			
10	16QAM	1	0	21.55	21.40	21.63	21.63			
10	16QAM	1	26	21.71	21.68	21.32	21.32			
10	16QAM	1	49	21.69	21.70	21.32	21.32	22.5	2	
10	16QAM	25	0	20.58	20.47	20.43	20.43			
10	16QAM	25	12	20.57	20.56	20.50	20.50			
10	16QAM	25	25	20.59	20.61	20.39	20.39			
10	16QAM	50	0	20.65	20.66	20.30	20.30	21.5	3	
Channel										
Frequency (MHz)										
24.5										
5	QPSK	1	0	23.35	23.38	23.30	23.30	24.5	0	
5	QPSK	1	12	23.42	23.45	23.46	23.46			
5	QPSK	1	24	23.58	23.51	23.24	23.24			
5	QPSK	12	0	23.31	23.27	23.40	23.40			
5	QPSK	12	7	22.26	22.31	22.32	22.32	23.5	1	
5	QPSK	12	14	22.18	22.23	22.18	22.18			
5	QPSK	25	0	22.27	22.34	22.26	22.26			
5	16QAM	1	0	22.83	22.89	22.38	22.38			
5	16QAM	1	12	22.83	22.87	22.15	22.15	23.5	1	
5	16QAM	1	24	22.48	22.73	22.89	22.89			
5	16QAM	12	0	21.23	21.53	21.38	21.38			
5	16QAM	12	7	21.25	21.29	21.24	21.24			
5	16QAM	12	13	21.15	21.18	21.18	21.18	22.5	2	
5	16QAM	25	0	21.30	21.40	21.38	21.38			
5	16QAM	1	0	21.58	21.11	21.62	21.62			
5	16QAM	1	12	21.12	21.61	21.58	21.58			
5	16QAM	1	24	21.16	21.50	21.58	21.58	22.5	2	
5	16QAM	12	0	20.41	20.40	20.94	20.94			
5	16QAM	12	7	20.52	20.50	20.43	20.43			
5	16QAM	12	13	20.77	20.40	20.40	20.40			
5	16QAM	25	0	20.33	20.24	20.36	20.36	21.5	3	
Channel										
Frequency (MHz)										
24.5										
5	QPSK	1	0	23.30	23.32	23.33	23.33	24.5	0	
5	QPSK	1	6	23.30	23.38	23.31	23.31			
5	QPSK	1	14	23.35	23.30	23.32	23.32			
5	QPSK	8	0	22.34	22.23	22.28	22.28			
5	QPSK	8	7	22.20	22.34	22.20	22.20	23.5	1	
5	QPSK	15	0	22.27	22.26	22.21	22.21			
5	16QAM	1	0	22.72	22.77	22.20	22.20			
5	16QAM	1	6	22.65	22.76	22.13	22.13			
5	16QAM	1	14	22.53	22.30	22.60	22.60	23.5	1	
5	16QAM	8	0	21.39	21.50	21.57	21.57			
5	16QAM	8	4	21.34	21.20	21.31	21.31			
5	16QAM	8	7	21.22	21.36	21.24	21.24			
5	16QAM	15	0	21.32	21.26	21.44	21.44	22.5	2	
5	16QAM	1	0	21.59	21.51	21.63	21.63			
5	16QAM	1	6	21.24	21.53	21.12	21.12			
5	16QAM	1	14	21.65	21.10	21.64	21.64			
5	16QAM	8	0	20.56	20.56	20.41	20.41	22.5	2	
5	16QAM	8	4	20.44	20.52	20.33	20.33			
5	16QAM	8	7	20.56	20.47	20.46	20.46			
5	16QAM	15	0	20.45	20.52	20.36	20.36			
5	16QAM	25	0	20.33	20.24	20.36	20.36	21.5	3	
Channel										
Frequency (MHz)										
24.5										
1.4	QPSK	1	0	23.11	23.29	23.36	23.36	24.5	0	
1.4	QPSK	1	3	23.24	23.52	23.40	23.40			
1.4	QPSK	1	6	23.03	23.48	23.40	23.40			
1.4	QPSK	3	0	23.31	23.29	23.27	23.27			
1.4	QPSK	3	3	23.17	23.50	23.57	23.57	23.5	1	
1.4	QPSK	6	0	23.32	23.30	23.33	23.33			
1.4	QPSK	6	0	22.39	22.38	22.25	22.25			
1.4	16QAM	1	0	22.84	22.73	22.52	22.52			
1.4	16QAM	1	3	22.72	22.85	22.46	22.46	23.5	1	
1.4	16QAM	1	5	22.59	22.63	22.58	22.58			
1.4	16QAM	3	0	22.09	22.43	22.52	22.52			
1.4	16QAM	3	1	22.52	22.30	22.23	22.23			
1.4	16QAM	3	3	22.51	22.40	22.18	22.18	22.5	2	
1.4	16QAM	6	0	21.32	21.42	21.30	21.30			
1.4	16QAM	1	0	21.37	21.26	21.65	21.65			
1.4	16QAM	1	5	21.38	21.08	21.25	21.25			
1.4	16QAM	3	0	24.17	21.48	21.22	21.22	22.5	2	
1.4	16QAM	3	1	21.40	21.10	21.53	21.53			
1.4	16QAM	3	3	21.48	21.53	21.52	21.52			
1.4	16QAM	6	0	20.49	20.41	20.28	20.28			

Band 13_Ant 13												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (mW)	Power Middle Ch. 1 (mW)	Power High Ch. 1 (mW)	Turn-up time (sec)					
Channel				23550								
Frequency (MHz)				23550								
10	QPSK	1	0	23.56	23.56	23.56	24.5					
10	QPSK	1	26	23.52	23.52	23.52						
10	QPSK	1	49	23.44	23.44	23.44						
10	QPSK	25	0	22.50	22.50	22.50						
10	QPSK	25	12	22.45	22.45	22.45	23.5	1				
10	QPSK	25	25	22.45	22.45	22.45						
10	QPSK	50	0	22.55	22.55	22.55						
10	16QAM	1	0	22.00	22.00	22.00						
10	16QAM	1	25	22.87	22.87	22.87	23.5	1				
10	16QAM	1	49	22.91	22.91	22.91						
10	16QAM	25	0	21.56	21.56	21.56						
10	16QAM	25	12	21.56	21.56	21.56						
10	16QAM	25	25	21.44	21.44	21.44	22.5	2				
10	16QAM	50	0	21.49	21.49	21.49						
10	16QAM	1	0	21.51	21.51	21.51						
10	16QAM	1	26	21.85	21.85	21.85						
10	16QAM	1	49	21.52	21.52	21.52	22.5	2				
10	16QAM	25	0	20.55	20.55	20.55						
10	16QAM	25	12	20.53	20.53	20.53						
10	16QAM	25	25	20.48	20.48	20.48						
Channel				23550								
Frequency (MHz)				23550								
5	QPSK	1	0	23.56	23.56	23.56	24.5					
5	QPSK	1	12	23.58	23.52	23.58						
5	QPSK	1	24	23.57	23.61	23.52						
5	QPSK	1	36	23.52	23.67	23.52						
5	QPSK	12	7	22.58	22.68	22.47	23.5	1				
5	QPSK	12	13	22.58	22.62	22.48						
5	QPSK	12	19	22.47	22.64	22.48						
5	QPSK	12	25	22.67	22.68	22.68						
5	QPSK	1	0	22.89	23.02	22.89	23.5	1				
5	QPSK	1	12	23.00	22.49	22.89						
5	QPSK	12	0	21.50	21.67	21.55						
5	QPSK	12	12	21.53	21.72	21.58						
5	16QAM	1	0	21.85	21.52	21.70	22.5	2				
5	16QAM	1	12	21.85	21.52	21.70						
5	16QAM	1	24	21.75	21.62	21.68						
5	16QAM	1	36	21.54	20.57	20.53						
5	16QAM	12	7	20.44	20.52	20.40	21.5	3				
5	16QAM	12	13	20.45	20.53	20.40						
5	16QAM	12	19	20.47	20.55	20.40						



Conducted Default Power for WWAN

Band 17_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch 1 Power Ch 2 Power Ch 3	Power High Ch 1 Power Ch 2 Power Ch 3	Turn-up time (sec)	MPR (dB)		
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.30	23.30	23.30			
10	QPSK	1	36	23.43	23.46	23.47	24.5		
10	QPSK	1	48	23.41	23.37	23.32			
10	QPSK	25	0	22.23	22.19	22.14			
10	QPSK	25	12	22.36	22.31	22.26	23.5	1	
10	QPSK	25	24	22.28	22.22	22.16			
10	QPSK	50	0	22.21	22.20	22.19			
10	QPSK	1	0	22.15	22.12	22.09			
10	QPSK	1	24	22.01	22.00	21.98	23.5	1	
10	QPSK	1	48	22.17	22.15	22.12			
10	QPSK	25	1	21.19	21.25	21.19			
10	QPSK	25	11	21.31	21.30	21.29			
10	QPSK	25	23	21.31	21.25	21.18	22.5	2	
10	QPSK	50	0	21.27	21.14	21.10			
10	QPSK	1	0	21.07	21.07	21.08			
10	QPSK	1	24	21.08	21.03	21.03	22.5	2	
10	QPSK	1	48	21.08	21.26	21.00			
10	QPSK	25	0	20.49	20.23	20.30			
10	QPSK	25	12	20.51	20.43	20.35	21.5	3	
10	QPSK	25	24	20.53	20.37	20.28			
10	QPSK	50	0	20.47	20.36	20.38			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.45	23.36	23.19			
5	QPSK	1	12	23.42	23.45	23.39	24.5	0	
5	QPSK	1	24	23.44	23.46	23.38			
5	QPSK	16	0	22.41	22.39	22.42			
5	QPSK	12	7	22.38	22.37	22.36	23.5	1	
5	QPSK	12	19	22.38	22.38	22.33			
5	QPSK	26	0	22.38	22.36	22.35			
5	QPSK	1	0	22.40	22.49	22.43			
5	QPSK	1	16	22.45	22.46	22.46	23.5	1	
5	QPSK	1	24	22.54	22.51	22.15			
5	QPSK	12	0	21.42	21.29	21.43			
5	QPSK	12	18	21.37	21.34	21.34	22.5	2	
5	QPSK	12	13	21.37	21.36	21.27			
5	QPSK	26	0	21.22	21.32	21.42			
5	QPSK	1	0	21.48	21.35	21.53	22.5	2	
5	QPSK	1	12	21.68	21.72	21.65			
5	QPSK	1	24	21.51	21.49	21.59			
5	QPSK	12	0	20.08	20.32	20.37			
5	QPSK	12	7	20.81	20.49	20.49	21.5	3	
5	QPSK	12	13	20.54	20.47	20.37			
5	QPSK	12	1	20.54	20.57	20.52			

Band 17_Ant 41									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch 1 Power Ch 2 Power Ch 3	Power High Ch 1 Power Ch 2 Power Ch 3	Turn-up time (sec)	MPR (dB)		
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.38	23.36	23.43			
10	QPSK	1	36	23.53	23.54	23.44	24.5		
10	QPSK	1	48	23.33	23.39	23.40			
10	QPSK	25	0	22.20	22.20	22.20			
10	QPSK	25	12	22.35	22.41	22.33	23.5	1	
10	QPSK	25	24	22.30	22.17	22.19			
10	QPSK	50	0	22.29	22.31	22.22			
10	QPSK	1	0	22.09	22.02	22.16			
10	QPSK	1	24	22.26	22.05	22.01	23.5	1	
10	QPSK	1	48	22.07	22.34	22.25			
10	QPSK	25	0	21.25	21.27	21.19			
10	QPSK	25	12	21.41	21.36	21.40			
10	QPSK	25	24	21.41	21.38	21.10	22.5	2	
10	QPSK	50	0	21.30	21.17	21.21			
10	QPSK	1	0	21.51	21.58	21.65			
10	QPSK	1	24	21.40	21.84	21.25	22.5	2	
10	QPSK	1	48	21.57	21.65	21.47			
10	QPSK	25	0	20.36	20.48	20.38			
10	QPSK	25	12	20.54	20.54	20.53	21.5	3	
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.39	23.21	23.17			
5	QPSK	1	12	23.39	23.26	23.26	24.5	0	
5	QPSK	1	24	23.22	23.25	23.24			
5	QPSK	16	0	22.26	22.19	22.43			
5	QPSK	12	7	22.19	22.27	22.28	23.5	1	
5	QPSK	12	19	22.37	22.22	22.16			
5	QPSK	26	0	22.25	22.19	22.29			
5	QPSK	1	0	22.45	22.50	22.63			
5	QPSK	1	16	22.53	22.70	22.73	23.5	1	
5	QPSK	1	24	22.79	22.34	22.72			
5	QPSK	12	0	21.20	21.22	21.25			
5	QPSK	12	18	21.37	21.07	21.38	22.5	2	
5	QPSK	12	13	21.23	21.17	21.18			
5	QPSK	26	0	21.26	21.18	21.33			
5	QPSK	1	0	21.31	20.98	21.26	22.5	2	
5	QPSK	1	12	21.57	21.58	21.37			
5	QPSK	1	24	21.37	21.22	21.56			
5	QPSK	12	0	20.44	20.42	20.48			
5	QPSK	12	7	20.38	20.49	20.44	21.5	3	
5	QPSK	12	13	20.48	20.41	20.38			
5	QPSK	12	1	20.45	20.31	20.32			

Band 26_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch 1	Power Low Ch 2	Power High Ch 1	Power High Ch 2	Turn-up time (sec)	Aggr (dB)
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.41	23.38	23.49			
15	QPSK	1	31	23.79	23.60	23.76	24	0	
15	QPSK	1	74	23.75	23.64	23.75			
15	QPSK	36	0	21.60	21.64	21.61			
15	QPSK	36	20	21.68	21.71	21.63	23	1	
15	QPSK	36	39	21.63	21.65	21.62			
15	QPSK	75	0	21.67	21.73	21.67			
15	16QAM	1	0	22.00	21.90	22.07			
15	16QAM	1	37	22.03	21.85	22.21	23	1	
15	16QAM	1	74	21.98	22.07	21.76			
15	16QAM	36	0	20.70	20.61	20.76			
15	16QAM	36	26	20.71	20.65	20.69	22	2	
15	16QAM	36	54	20.64	20.69	20.60			
15	16QAM	75	0	20.65	20.61	20.74			
15	16QAM	1	34	20.72	20.65	20.30			
15	16QAM	1	37	20.74	20.63	20.71	22	2	
15	16QAM	1	74	20.60	20.43	20.64			
15	16QAM	36	0	19.69	19.58	19.68			
15	16QAM	36	26	19.69	19.64	19.75	21	3	
15	16QAM	36	39	19.72	19.65	19.62			
15	16QAM	75	0	19.70	19.69	19.66			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.77	23.58	23.79			
10	QPSK	1	26	23.79	23.77	23.79	24	0	
10	QPSK	1	48	23.78	23.72	23.74			
10	QPSK	25	12	21.84	21.75	21.83			
10	QPSK	25	24	21.73	21.73	21.68	23	1	
10	QPSK	50	0	21.83	21.74	21.82			
10	16QAM	1	0	22.30	21.63	21.85			
10	16QAM	1	24	21.80	21.69	21.78	23	1	
10	16QAM	1	48	21.78	21.73	21.76			
10	16QAM	25	0	20.63	20.70	20.67			
10	16QAM	25	12	20.84	20.75	20.75	22	2	
10	16QAM	25	24	20.69	20.80	20.64			
10	16QAM	50	0	20.80	20.75	20.76			
10	16QAM	1	0	20.81	20.67	20.78	22	2	
10	16QAM	1	24	20.78	20.57	20.92			
10	16QAM	1	48	20.69	20.67	20.67			
10	16QAM	25	0	19.73	19.72	19.76			
10	16QAM	25	12	19.84	19.73	19.77	21	3	
10	16QAM	25	24	19.75	19.67	19.63			
10	16QAM	50	0	19.75	19.68	19.70			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.79	22.76	22.74			
5	QPSK	1	12	22.78	22.79	22.77	24	0	
5	QPSK	1	24	22.75	22.77	22.67			
5	QPSK	12	0	21.88	21.74	21.89			
5	QPSK	12	7	21.85	21.76	21.80	23	1	
5	QPSK	12	19	21.81	21.69	21.72			
5	QPSK	26	0	21.78	21.77	21.88			
5	16QAM	1	0	22.22	22.13	21.81			
5	16QAM	1	16	22.15	22.08	21.80	23	1	
5	16QAM	1	24	22.30	21.85	21.84			
5	16QAM	12	0	20.62	20.75	20.69			
5	16QAM	12	7	20.63	20.63	20.81	22	2	
5	16QAM	12	19	20.75	20.67	20.64			
5	16QAM	26	0	20.68	20.68	20.68			
5	16QAM	1	0	20.62	20.48	21.03			
5	16QAM	1	12	20.64	20.84	21.23	22	2	
5	16QAM	1	24	20.78	20.67	20.78			
5	16QAM	12	0	19.62	19.73	19.92			
5	16QAM	12	7	19.80	19.72	19.90	21	3	
5	16QAM	12	19	19.87	19.67	19.76			
5	16QAM	26	0	19.75	19.73	19.77			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.73	23.76	23.74			
3	QPSK	1	14	23.78	23.73	23.78	24	0	
3	QPSK	8	0	21.81	21.73	21.88			
3	QPSK	8	7	21.77	21.74	21.80	23	1	
3	QPSK	15	0	21.82	21.67	21.84			
3	16QAM	1	0	22.22	22.13	21.82			
3	16QAM	1	8	22.28	21.99	22.33	23	1	
3	16QAM	1	14	21.98	22.04	22.10			
3	16QAM	8	0	20.62	20.82	20.82			
3	16QAM	8	4	20.50	20.78	20.83	22	2	
3	16QAM	15	0	20.68	20.68	20.62			
3	16QAM	15	0	20.81	20.75	20.85			
3	16QAM	1	0	20.83	21.63	20.79	22	2	
3	16QAM	8	0	19.63	19.78	19.78			
3	16QAM	1	14	21.10	21.06	20.77			
3	16QAM	8	0	19.80	19.78	19.77			
3	16QAM	8	7	19.91	19.76	19.78	23	1	
3	16QAM	8	7	19.89	19.92	19.93			
3	16QAM	15	0	19.71	19.74	19.67			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.41	23.38	23.44			
1.4	QPSK	1	0	22.65	22.78	22.84			
1.4	QPSK	1	0	22.78	22.76	22.75			
1.4	QPSK	1	5	22.79	22.58	22.76	24	0	
1.4	QPSK	1	5	22.76	22.68	22.79			
1.4	QPSK	1	5	22.74	22.74	22.75			
1.4	QPSK	3	3	23.73	23.75	23.73			
1.4	QPSK	3	3	23.74	23.74	23.74	23	1	
1.4	16QAM	1	0	21.70	21.71	21.68			
1.4	16QAM	1	3	23.32	22.16	22.28			
1.4	16QAM	3	3	22.62	22.62	22.62			
1.4	16QAM	3	3	21.78	21.81	21.87	23	1	
1.4	16QAM	3	3	21.83	21.84	21.81			
1.4	16QAM	3	3	21.87	21.84	21.87			
1.4	16QAM	3	3	21.82	20.74	20.89	22	2	
1.4	16QAM	3	3	21.65	20.81	20.82			
1.4	16QAM	3	3	20.81	20.78	20.78	22	2	
1.4	16QAM	3	3	20.80	20.80	20.80			
1.4	16QAM	3	3	20.59	20.51	20.77			
1.4	16QAM	3	3	21.81	20.86	20.82	23	2	



Conducted Default Power for WWAN

Band 26_Ant 41											
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / (Frac. Ch / Freq. Ch)	Power Mids Ch / (Frac. Ch / Freq. Ch)	Power High Ch / (Frac. Ch / Freq. Ch)	Turn-up (dB)	MPR (dB)			
Channel										Time-up (sec)	
Frequency (MHz)										MPR (dB)	
10	QPSK	1	0	20.78	20.78	20.78	24	0	23	1	
10	QPSK	1	37	22.79	22.80	22.83					
15	QPSK	1	14	22.87	22.81	22.89			23	1	
15	QPSK	36	0	21.68	21.62	21.71					
10	QPSK	36	24	21.76	21.76	21.76			23	1	
10	QPSK	36	59	21.57	21.58	21.63					
15	QPSK	36	0	21.67	21.70	21.74			23	1	
15	QPSK	36	0	21.69	21.47	22.04					
15	QPSK	1	27	21.62	21.56	22.00			23	1	
15	QPSK	1	34	21.87	21.90	21.73					
15	QPSK	36	1	20.75	20.64	20.69			22	2	
15	QPSK	36	30	20.50	20.53	20.55					
15	QPSK	75	0	20.88	20.82	20.77			22	2	
15	QPSK	1	0	20.92	20.89	20.95					
15	QPSK	1	37	20.86	20.97	20.83			22	2	
15	QPSK	1	74	20.85	21.00	20.88					
15	QPSK	36	0	19.88	19.83	19.85			21	3	
15	QPSK	36	20	19.87	19.86	19.83					
15	QPSK	36	59	19.79	19.72	19.81			21	3	
15	QPSK	36	0	19.77	19.71	19.83					
Channel										Time-up (sec)	
Frequency (MHz)										MPR (dB)	
10	QPSK	1	0	22.78	22.76	22.87	24	0	23	1	
10	QPSK	1	26	22.72	22.64	22.81					
10	QPSK	36	59	22.47	22.68	22.84			23	1	
10	QPSK	36	0	21.78	21.63	21.82					
10	QPSK	36	12	21.76	21.64	21.78			23	1	
10	QPSK	36	20	21.76	21.68	21.73					
10	QPSK	36	0	21.78	21.68	21.73			23	1	
10	QPSK	36	0	22.18	21.89	22.21					
10	QPSK	36	20	22.02	21.84	22.10			23	1	
10	QPSK	36	1	21.59	21.54	22.24					
10	QPSK	36	1	20.88	20.84	20.82			22	2	
10	QPSK	36	1	20.77	20.74	20.71					
10	QPSK	36	25	20.68	20.51	20.56			22	2	
10	QPSK	36	0	20.68	20.68	20.67					
10	QPSK	36	0	20.95	20.86	20.49			22	2	
10	QPSK	1	25	20.76	20.51	20.50					
10	QPSK	36	0	19.85	19.87	19.79			21	3	
10	QPSK	36	0	19.82	19.82	19.83					
10	QPSK	36	0	19.83	19.81	19.81			21	3	
10	QPSK	36	0	19.83	19.81	19.81					
Channel										Time-up (sec)	
Frequency (MHz)										MPR (dB)	
5	QPSK	1	0	22.79	22.63	22.89	24	0	23	1	
5	QPSK	1	12	22.80	22.69	22.74					
5	QPSK	1	24	22.86	22.64	22.80			23	1	
5	QPSK	12	0	21.74	21.68	21.82					
5	QPSK	12	7	21.76	21.68	21.77			23	1	
5	QPSK	12	12	21.87	21.87	21.87					
5	QPSK	36	0	21.67	21.68	21.74			23	1	
5	QPSK	36	1	21.80	22.22	21.96					
5	QPSK	1	26	22.05	21.58	22.62			23	1	
5	QPSK	1	34	21.84	22.04	21.83					
5	QPSK	1	37	20.75	20.68	20.68			22	2	
5	QPSK	1	74	20.77	20.64	20.69					
5	QPSK	12	13	20.75	20.68	20.68			22	2	
5	QPSK	1	0	20.50	20.67	21.02					
5	QPSK	1	19	20.87	20.87	21.03			22	2	
5	QPSK	1	37	20.82	20.82	20.89					
5	QPSK	12	0	19.85	19.81	19.86			21	3	
5	QPSK	12	7	19.80	19.82	19.83					
5	QPSK	12	13	19.84	19.79	19.82			21	3	
5	QPSK	36	0	19.86	19.79	19.84					
Channel										Time-up (sec)	
Frequency (MHz)										MPR (dB)	
3	QPSK	1	0	22.78	22.56	22.78	24	0	23	1	
3	QPSK	1	14	22.67	22.50	22.83					
3	QPSK	1	14	22.77	22.54	22.87			23	1	
3	QPSK	8	0	21.68	21.66	21.67					
3	QPSK	8	7	21.67	21.59	21.72			23	1	
3	QPSK	8	7	21.71	21.52	21.65					
3	QPSK	15	0	21.68	21.54	21.72			23	1	
3	QPSK	1	0	21.63	21.68	21.68					
3	QPSK	1	8	21.78	21.68	21.76			23	1	
3	QPSK	1	14	22.21	21.59	21.97					
3	QPSK	8	4	20.84	20.68	20.63			22	2	
3	QPSK	8	7	20.85	20.52	20.68					
3	QPSK	8	7	20.80	20.60	20.71			22	2	
3	QPSK	35	0	20.84	20.52	20.68					
3	QPSK	1	0	20.71	20.35	20.84			22	2	
3	QPSK	1	14	20.74	20.37	20.85					
3	QPSK	1	14	20.74	20.37	20.85			21	3	
3	QPSK	8	0	19.80	19.74	19.85					
3	QPSK	8	4	19.80	19.70	19.82			21	3	
3	QPSK	8	7	19.88	19.71	19.89					
3	QPSK	15	0	19.85	19.69	19.86			21	3	
3	QPSK	1	0	19.80	19.67	19.76					
Channel										Time-up (sec)	
Frequency (MHz)										MPR (dB)	
1.4	QPSK	1	0	22.77	22.57	22.77	24	0	23	1	
1.4	QPSK	1	25	22.85	22.67	22.71					
1.4	QPSK	1	6	22.74	22.58	22.66			24	0	
1.4	QPSK	36	0	21.63	21.52	21.63					
1.4	QPSK	36	0	22.68	22.48	22.71			23	1	
1.4	QPSK	36	0	22.80	22.59	22.78					
1.4	QPSK	36	0	21.68	21.58	21.64			23	1	
1.4	QPSK	36	0	22.15	22.25	22.15					
1.4	QPSK	1	0	21.68	21.70	21.62			23	1	
1.4	QPSK	1	14	21.65	21.78	21.87					
1.4	QPSK	36	1	21.78	21.69	21.69			23	1	
1.4	QPSK	36	1	21.77	21.57	21.65					
1.4	QPSK	8	0	20.76	20.68	20.67			22	2	
1.4	QPSK	8	7	20.87	20.60	20.75					
1.4	QPSK	1	0	20.76	20.50	20.75			22	2	
1.4	QPSK	1	0	20.68	20.63	20.47					
1.4	QPSK	36	0	20.75	20.62	20.67			22	2	
1.4	QPSK	36	0	20.74	20.36	20.58					
1.4	QPSK	36	0	20.51	20.56	20.71			21	3	
1.4	QPSK	36	0	20.51	20.56	20.71					

Band 66_Ant 13													
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / (Frac. Ch / Freq. Ch)	Power Mids Ch / (Frac. Ch / Freq. Ch)	Power High Ch / (Frac. Ch / Freq. Ch)	Turn-up (dB)	MPR (dB)					
Channel										Time-up (sec)			
Frequency (MHz)										MPR (dB)			
20	QPSK	1	48	22.26	22.33	22.31	23	0	23	0			
20	QPSK	1	99	22.09	22.11	22.04							
20	QPSK	160	0	21.13	21.01	21.28	22	1	22	1			
20	QPSK	50	24	21.19	21.06	21.36							
20	QPSK	50	59	21.17	21.23	21.18	22	1	22	1			
20	QPSK	50	0	21.13	21.31	21.28							
20	QPSK	1	0	21.27	21.27	21.20	22	1	22	1			
20	QPSK	1	49	21.15	21.06	21.01							
20	QPSK	1	99	21.11	21.11	21.42	21	2	21	2			
20	QPSK	50	0	20.15	20.33	20.32							
20	QPSK	50	24	20.14	20.26	20.32	21	2	21	2			
20	QPSK	50	59	20.10	20.21	20.18							
20	QPSK	100	0	20.12	20.22	20.28	21	2	21	2			
20	QPSK	1	49	19.04	19.36	19.93							
20	QPSK	1	99	20.31	19.86	20.03	20	3	20	3			
20	QPSK	50	24	19.34	19.46	19.47							
20	QPSK	50	24	19.29	19.42	19.47	20	3	20	3			
20	QPSK	50	59	19.28	19.31	19.38							
20	QPSK	100	0	19.27	19.41	19.46							
Channel											Time-up (sec)		
Frequency (MHz)										MPR (dB)			
15	QPSK	1	0	22.07	22.21	22.31	23	0	23	0			
15	QPSK	1	37	21.96	22.28	22.27							
15	QPSK	1	74	22.27	22.02	22.02	22	1	22	1			
15	QPSK	36	20	21.17	21.29	21.29							
15	QPSK	36	0	21.16	21.16	21.28	22	1	22	1			
15	QPSK	36	0	21.18	21.28	21.29							
15	QPSK	1	0	20.95	21.57	21.49	21	2	21	2			
15	QPSK	1	37	21.19	21.11	21.15							
15	QPSK	1	74	21.17	21.37	21.29	21	2	21	2			
15	QPSK	1	37	21.14	21.33	21.33							
15	QPSK	36	20	20.12	20.27	20.27	20	2	20	2			
15	QPSK	36	0	20.16	20.29	20.26							
15	QPSK	36	0	20.17	20.31	20.27	20	2	20	2			
15	QPSK	1	0	20.30	20.47	20.47							
15	QPSK	1	0	20.30	20.37	20.44	20	2	20	2			
15	QPSK	1	37	20.15	20.12	20.18							
15	QPSK	1	74	20.13	20.22	20.18	20	2	20	2			
15	QPSK	1	37	20.12	20.22	20.18							
15	QPSK	36	20	19.34	19.45	19.45	20	3	20	3			
15	QPSK	36	0	19.33	19.43	19.38							
15	QPSK	72	0	19.35	19.44	19.47	20	3	20	3			
Channel											Time-up (sec)		
Frequency (MHz)											MPR (dB)		
10	QPSK	1	0	22.11	22.24	22.30		23			0	23	0
10	QPSK	1	49	22.11	22.24	22.30							
10	QPSK	25	0	21.15	21.36	21.30	22	1	22	1			
10	QPSK	25	26	21.17	21.26	21.30							
10	QPSK	25	26	21.16	21.26	21.30	22	1	22	1			
10	QPSK	1	0	21.16	21.30	21.68							
10	QPSK	1	24	21.48	21.62	21.61	22	1	22	1			
10	QPSK	1	24	21.28	21.58	21.61							
10	QPSK	25	0	20.08	20.38	20.32	21	2	21	2			
10	QPSK	25	12	20.27	20.38	20.31							
10	QPSK	25	12	20.19	20.32	20.31	21	2	21	2			
10	QPSK	50	0	20.12	20.37	20.30							
10	QPSK	1	0	20.35	20.27	20.40	21	2	21	2			
10	QPSK	1	49	20.13	20.22	20.18							
10	QPSK	1	49	20.13	20.22	20.18	20	3	20	3			
10	QPSK	1	99	20.12	20.22	20.18							
10	QPSK	25	0	19.38	19.40	19.42	20	3	20	3			
10	QPSK	25	12	19.38	19.40	19.43							
10	QPSK	25	12	19.38	19.40	19.43	20	3	20	3			
Channel											Time-up (sec)		
Frequency (MHz)											MPR (dB)		
5	QPSK	1	0	22.15	22.30	22.37		23			0	23	0
5	QPSK	1	24	22.11	22.23	22.28							
5	QPSK	1	24	22.11	22.23	22.28	22	1	22	1			
5	QPSK	1	7	21.16	21.29	21.26							
5	QPSK	1	7	21.16	21.29	21.26	22	1	22	1			
5	QPSK	1	0	21.17	21.40	21.67							
5	QPSK	1	0	21.17	21.40	21.67	22	1	22	1			
5	QPSK	1	24	21.50	21.02	21.03							
5	QPSK	12	0	20.04	20.28	20.22	21	2	21	2			
5	QPSK	12	9	20.18	20.27	20.20							
5	QPSK	12	9	20.13	20.34	20.21	21	2	21	2			
5	QPSK	1	12	20.06	20.30	20.46							
5	QPSK	1	12	20.06	20.30	20.46	20	3	20	3			
5	QPSK	1	24	20.18	20.40	20.51							
5	QPSK	12	7	19.24	19.50	19.45	20	3	20	3			
5	QPSK	12	7	19.24	19.50	19.45							
5	QPSK	12	7	19.24	19.50	19.45	20	3	20	3			
Channel											Time-up (sec)		
Frequency (MHz)											MPR (dB)		
1	QPSK	1	0	22.15	22.30	22.37		23			0	23	0
1	QPSK	1	24	22.11	22.23	22.28							
1	QPSK	1	24	22.11	22.23	22.28	22	1	22	1			
1	QPSK	1	7	21.16	21.29	21.26							
1	QPSK	1	7	21.16	21.29	21.26	22	1	22	1			
1	QPSK	1	0	21.17	21.40	21.67							
1	QPSK	1	0	21.17	21.40	21.67	22	1	22	1			
1	QPSK	1	24	21.50	21.02	21.03							
1	QPSK	12	0	20.04	20.28	20.22	21	2	21	2			
1	QPSK	12	9	20.18	20.27	20.20							
1	QPSK	12	9	20.13	20.34	20.21	21	2	21	2			
1	QPSK	1	12	20.06	20.30	20.46							
1	QPSK	1	12	20.06	20.30	20.46	20	3	20	3			
1	QPSK	1	24	20.18	20.40	20.51							
1	QPSK	12	7	19.24	19.50	19.45	20	3	20	3			
1	QPSK	12	7	19.24	19.50	19.45							
1	QPSK	12	7	19.24	19.50	19.45	20	3	20	3			
Channel											Time-up (sec)		
Frequency (MHz)											MPR (dB)		
1	QPSK	1	0	22.15	22.30	22.37		23			0	23	0
1	QPSK	1	24	22.11	22.23	22.28							
1	QPSK	1	24	22.11	22.23	22.28	22	1	22	1			
1	QPSK	1	7	21.16	21.29	21.26							
1	QPSK	1	7	21.16	21.29	21.26	22	1	22	1			
1	QPSK	1	0	21.17	21.40	21.67							
1	QPSK	1	0	21.17	21.40	21.67	22	1	22	1			
1	QPSK	1	24	21.50	21.02	21.03							
1	QPSK	12	0	20.04	20.28	20.22	21	2	21	2			
1	QPSK	12	9	20.18	20.27	20.20							
1	QPSK	12	9	20.13	20.34	20.21	21	2	21	2			
1	QPSK	1	12	20.06	20.30	20.46							
1	QPSK	1	12	20.06	20.30	20.46	20	3	20	3			
1	QPSK	1	24	20.18	20.40	20.51							
1	QPSK	12	7	19.24	19.50	19.45	20	3	20	3			
1	QPSK	12	7	19.24	19.50	19.45							
1	QPSK	12	7	19.24	19.50	19.45	20	3	20	3			
Channel											Time-up (sec)		
Frequency (MHz)											MPR (dB)		
1	QPSK	1	0	22.15	22.30	22.37		23			0	23	0
1	QPSK	1	24	22.11	22.23	22.28							
1	QPSK	1	24	22.11	22.23	22.28	22	1	22	1			
1	QPSK	1	7	21.16	21.29	21.26							
1	QPSK	1	7	21.16	21.29	21.26	22	1	22	1			
1	QPSK	1	0	21.17	21.40	21.67							
1	QPSK	1	0	21.17	21.40	21.67	22	1	22	1			
1	QPSK	1	24	21.50	21.02	21.03							
1	QPSK	12	0	20.04	20.28	20.22	21	2	21	2			
1	QPSK	12	9	20.18	20.27	20.20							
1	QPSK	12	9	20.13	20.34	20.21	21	2	21	2			
1	QPSK	1	12	20.06	20.30	20.46							
1	QPSK	1	12	20.06	20.30	20.46	20	3	20	3			
1	QPSK	1	24	20.18	20.40	20.51							
1	QPSK	12	7	19.24	19.50	19.45	20	3	20	3			
1	QPSK	12	7	19.24	19.50	19.45							
1	QPSK	12	7	19.24	19.50	19.45	20	3	20	3			
Channel											Time-up (sec)		
Frequency (MHz)											MPR (dB)		
1	QPSK	1	0	22.15	22.30	22.37		23			0	23	0
1	QPSK	1	24	22.11	22.23	22.28							
1	QPSK	1	24	22.11	22.23	22.28	22	1	22	1			
1	QPSK	1	7	21.16	21.29	21.26							
1	QPSK	1	7	21.16	21.29	21.26	22	1	22	1			
1	QPSK	1	0	21.17	21.40	21.67							
1	QPSK	1	0	21.17	21.40	21.67	22	1	22	1			
1	QPSK	1	24	21.50	21.02	21.03							
1	QPSK	12	0	20.04	20.28	20.22	21	2	21	2			
1	QPSK	12	9	20.18	20.27	20.20							
1	QPSK	12	9	20.13	20.34	20.21	21	2	21	2			
1	QPSK	1	12	20.06	20.30	20.46							
1	QPSK	1	12	20.06	20.30	20.46	20	3	20	3			
1	QPSK	1	24	20.18	20.40	20.51							
1	QPSK	12	7	19.24	19.50	19.45	20	3	20	3			
1	QPSK	12	7	19.24	19.50	19.45							
1	QPSK	12	7	19.24	19.50	19.45	20	3	20	3			
Channel											Time-up (sec)		
Frequency (MHz)											MPR (dB)		
1	QPSK	1	0	22.15	22.30	22.37		23			0	23	0
1	QPSK	1	24	22.1									



Conducted Default Power for WWAN

Band 38_Ant 13												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Frac.)	Power Media Ch. 1 (Frac.)	Power High Ch. 1 (Frac.)	Time-up limit (dBm)	MFR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.26	22.21	22.31	23.4	0				
30	QPSK	1	0	22.46	22.40	22.45						
20	QPSK	1	90	22.34	22.38	22.44						
20	QPSK	50	0	21.40	21.46	21.38	22.4	1				
30	QPSK	50	24	21.49	21.50	21.47						
30	QPSK	50	36	21.47	21.45	21.46						
30	16QAM	1	0	21.28	21.30	21.27	22.4	1				
20	16QAM	1	48	21.42	21.40	21.46						
20	16QAM	1	90	21.35	21.30	21.35						
20	16QAM	50	0	20.33	20.43	20.41	21.4	2				
20	16QAM	50	24	20.41	20.47	20.41						
20	16QAM	50	36	20.43	20.35	20.44						
20	16QAM	100	0	20.42	20.43	20.41	20.4	3				
30	64QAM	1	0	19.33	19.34	19.32						
20	64QAM	1	48	20.17	20.24	20.12						
20	64QAM	1	90	20.05	20.05	20.05	20.4	2				
20	64QAM	50	0	19.33	19.38	19.34						
20	64QAM	50	24	19.35	19.40	19.44						
20	64QAM	50	36	19.38	19.31	19.33	20.4	3				
20	64QAM	100	0	19.39	19.40	19.35						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.23	22.20	22.24				23.4	0	
15	QPSK	1	30	22.38	22.32	22.34						
15	QPSK	1	74	22.42	22.38	22.38						
15	QPSK	36	0	21.32	21.31	21.26	22.4	1				
15	QPSK	36	30	21.37	21.37	21.32						
15	QPSK	36	30	21.35	21.36	21.32						
15	16QAM	1	0	21.32	21.40	21.32	22.4	1				
15	16QAM	1	30	21.40	21.40	21.32						
15	16QAM	1	74	21.40	21.36	21.35						
15	16QAM	36	0	20.25	20.33	20.27	21.4	2				
15	16QAM	36	30	20.26	20.30	20.31						
15	16QAM	36	30	20.28	20.30	20.30						
15	16QAM	75	0	20.34	20.36	20.29	20.4	3				
15	64QAM	1	0	20.00	19.99	20.03						
15	64QAM	1	30	20.06	20.17	20.15						
15	64QAM	36	0	19.31	19.32	19.34	20.4	3				
15	64QAM	36	30	19.27	19.34	19.27						
15	64QAM	75	0	19.31	19.32	19.33						
15	64QAM	75	0	19.29	19.29	19.30	20.4	3				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.30	22.46	22.33				23.4	0	
10	QPSK	1	26	22.40	22.46	22.42						
10	QPSK	1	48	22.37	22.42	22.41						
10	QPSK	25	0	21.51	21.58	21.59	22.4	1				
10	QPSK	25	14	21.38	21.30	21.41						
10	QPSK	25	20	21.35	21.30	21.39						
10	QPSK	50	0	21.09	21.42	21.42	22.4	1				
10	16QAM	1	0	21.32	21.44	21.35						
10	16QAM	1	20	21.45	21.47	21.46						
10	16QAM	1	48	21.35	21.41	21.38	21.4	2				
10	16QAM	25	0	20.38	20.42	20.42						
10	16QAM	25	12	20.34	20.43	20.37						
10	16QAM	25	24	20.37	20.40	20.44	21.4	2				
10	16QAM	50	0	20.38	20.47	20.43						
10	64QAM	1	0	20.06	20.09	20.01						
10	64QAM	1	20	20.11	20.12	20.14	21.4	2				
10	64QAM	1	48	20.05	20.08	20.08						
10	64QAM	25	0	19.33	19.41	19.39						
10	64QAM	25	12	19.38	19.41	19.43	20.4	3				
10	64QAM	25	20	19.38	19.35	19.46						
10	64QAM	50	0	19.29	19.30	19.37						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.40	22.40	22.40	23.4	0				
5	QPSK	1	12	22.37	22.46	22.44						
5	QPSK	1	24	22.38	22.45	22.44						
5	QPSK	12	0	21.35	21.48	21.41	22.4	1				
5	QPSK	12	7	21.33	21.37	21.47						
5	QPSK	12	14	21.35	21.38	21.37						
5	QPSK	25	0	21.28	21.37	21.39	22.4	1				
5	16QAM	1	0	21.32	21.40	21.43						
5	16QAM	1	12	21.42	21.39	21.43						
5	16QAM	1	24	21.43	21.41	21.47	21.4	2				
5	16QAM	12	0	20.29	20.35	20.30						
5	16QAM	12	7	20.30	20.34	20.37						
5	16QAM	25	0	20.34	20.45	20.44	21.4	2				
5	64QAM	1	0	20.07	20.12	20.10						
5	64QAM	1	14	20.15	20.18	20.15	20.4	3				
5	64QAM	1	24	20.13	20.11	20.15						
5	64QAM	12	0	19.33	19.40	19.38						
5	64QAM	12	7	19.28	19.34	19.38	20.4	3				
5	64QAM	12	14	19.29	19.34	19.35						
5	64QAM	25	0	19.35	19.40	19.42						

Band 38_Ant 31												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Frac.)	Power Media Ch. 1 (Frac.)	Power High Ch. 1 (Frac.)	Time-up limit (dBm)	MFR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.43	22.40	22.53	23.8	0				
30	QPSK	1	0	22.48	22.79	22.77						
20	QPSK	1	90	22.67	22.60	22.73						
20	QPSK	50	0	21.55	21.68	21.64	22.8	1				
30	QPSK	50	24	21.68	21.70	21.77						
30	QPSK	50	36	21.67	21.66	21.71						
30	QPSK	100	0	21.64	21.65	21.63	22.8	1				
20	16QAM	1	0	21.47	21.54	21.51						
20	16QAM	1	48	21.66	21.77	21.73						
20	16QAM	1	90	21.65	21.59	21.69	21.8	2				
20	16QAM	50	0	20.54	20.63	20.60						
20	16QAM	50	24	20.63	20.65	20.71						
20	16QAM	50	36	20.60	20.68	20.69	21.8	2				
20	16QAM	100	0	20.60	20.60	20.68						
30	64QAM	1	0	20.09	20.18	20.20						
20	64QAM	1	48	20.35	20.43	20.39	20.8	3				
20	64QAM	1	90	20.33	20.31	20.36						
20	64QAM	50	0	19.50	19.62	19.60						
20	64QAM	50	24	19.50	19.57	19.57	20.8	3				
20	64QAM	50	36	19.58	19.53	19.58						
20	64QAM	100	0	19.58	19.63	19.66						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.30	22.39	22.48	23.8	0				
15	QPSK	1	30	22.41	22.61	22.52						
15	QPSK	1	74	22.37	22.52	22.57						
15	QPSK	36	0	21.31	21.40	21.48	22.8	1				
15	QPSK	36	30	21.35	21.45	21.47						
15	QPSK	36	30	21.35	21.40	21.43						
15	QPSK	74	0	21.35	21.45	21.43	22.8	1				
15	16QAM	1	0	21.24	21.30	21.38						
15	16QAM	1	30	21.30	21.43	21.36						
15	16QAM	1	74	21.43			22.8	1				
15	16QAM	36	0	20.30	20.41	20.46						
15	16QAM	36	30	20.34	20.45	20.47						
15	16QAM	36	30	20.34	20.40	20.43	21.8	2				
15	16QAM	74	0	20.30	20.53	20.52						
15	16QAM	74	30	20.32	20.51	20.52						
15	16QAM	1	74	20.50	20.18	20.28	21.8	2				
15	16QAM	1	30	20.03	20.03	20.12						
15	16QAM	1	74	20.31	19.42	19.46						
15	16QAM	36	0	19.31	19.44	19.45	20.8	3				
15	16QAM	36	30	19.31	19.44	19.45						
15	16QAM	74	0	19.30	19.44	19.45						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.33	22.52	22.64	23.8	0				
15	QPSK	1	24	22.43	22.58	22.69						
15	QPSK	1	48	22.43	22.50	22.53						
15	QPSK	36	0	21.31	21.40	21.48	22.8	1				
15	QPSK	36	24	21.35	21.45	21.47						
15	QPSK	36	24	21.35	21.47	21.52						
15	QPSK	74	0	21.35	21.45	21.52	22.8	1				
15	16QAM	1	0	21.26	21.48	21.56						
15	16QAM	1	24	21.43	21.50	21.53						
15	16QAM	1	48	21.31	21.52	21.61	22.8	1				
15	16QAM	36	0	20.31	20.47	20.52						
15	16QAM	36	24	20.35	20.46	20.50						
15	16QAM	36	24	20.35	20.41	20.50	21.8	2				
15	16QAM	74	0	20.30	20.46	20.51						
15	16QAM	74	24	20.32	20.51	20.54						
15	16QAM	1	24	19.34	19.28	19.23	20.8	3				
15	16QAM	36	0	19.39	19.48	19.55						
15	16QAM	36	24	19.39	19.48	19.55						
15	16QAM	74	0	19.33	19.44	19.48	20.8	3				
15	16QAM	74	24	19.33	19.44	19.48						
15	16QAM	100	0	19.33	19.44	19.48						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.32	22.58	22.75	23.8	0				
5	QPSK	1	18	22.42	22.68	22.85						
5	QPSK	1	34	22.38	22.53	22.68						
5	QPSK	12	0	21.31	21.51	21.63	22.8	1				
5	QPSK	12	6	21.48	21.68	21.81						
5	QPSK	12	13	21.38	21.48	21.59						
5	QPSK	26	0	21.34	21.42	21.56	22.8	1				
5	QPSK	26	13	21.35	21.45	21.56						
5	QPSK	26	13	21.45	21.50	21.58						
5	16QAM	1	12	21.45	21.50	21.58	22.8	1				
5	16QAM	12	6	21.46	21.54	21.64						
5	16QAM	12	6	20.25	20.44	20.59						
5	16QAM	12	7	20.29	20.38	20.46	21.8	2				
5	16QAM	12	13	20.33	20.43	20.50						
5	16QAM	26	6	20.31	20.48	20.54						
5	16QAM	1	0	20.04	20.22	20.26	21.8	2				
5	16QAM	1	12	20.10	20.17	20.25						
5	16QAM	1	24	20.16	20.20	20.27						
5	16QAM	12	7	19.29	19.39	19.46	20.8	3				
5	16QAM	12	7	19.25	19.35	19.44						
5	16QAM	12	13	19.31	19.43	19.46						



Conducted Default Power for WWAN

Band 41_Ant 13																
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Frac.)	Power Low Middle Ch. 2 (Frac.)	Power High Middle Ch. 3 (Frac.)	Power High Ch. 4 (Frac.)	Time-up time (dBm)	MPE (dB)							
Channel																
Frequency (MHz)																
20	QPSK	1	0	22.12	22.05	22.27	22.25	22.26	23.4	0						
20	QPSK	1	48	22.25	22.28	22.50	22.43	22.46								
20	QPSK	1	96	22.15	22.20	22.39	22.37	22.34								
20	QPSK	55	0	21.19	21.24	21.38	21.37	21.35								
20	QPSK	55	24	21.32	21.31	21.47	21.44	21.43	22.4	1						
20	QPSK	55	48	21.51	21.29	21.45	21.40	21.42								
20	QPSK	100	0	21.23	21.25	21.39	21.35	21.39								
20	16QAM	1	0	21.16	21.11	21.28	21.25	21.32								
20	16QAM	1	48	21.25	21.27	21.53	21.50	21.47	22.4	1						
20	16QAM	1	96	21.20	21.23	21.29	21.30	21.30								
20	16QAM	55	0	20.16	20.22	20.38	20.34	20.41								
20	16QAM	55	24	20.28	20.25	20.43	20.41	20.44								
20	16QAM	55	50	20.20	20.25	20.32	20.41	20.44	21.4	2						
20	16QAM	100	0	20.24	20.29	20.33	20.42	20.38								
20	64QAM	1	0	19.87	19.82	19.93	19.95	20.07								
20	64QAM	1	48	19.94	20.00	20.13	20.11	20.14								
20	64QAM	1	96	19.85	19.86	19.86	20.03	20.13	20.4	3						
20	64QAM	55	0	19.11	19.17	19.30	19.32	19.39								
20	64QAM	55	24	19.23	19.17	19.38	19.36	19.36								
20	64QAM	55	50	19.22	19.15	19.28	19.35	19.44								
20	64QAM	100	0	19.19	19.20	19.36	19.36	19.36	Time-up time (dBm)	MPE (dB)						
Channel																
Frequency (MHz)																
15	QPSK	1	0	22.27	22.21	22.47	22.45	22.40	23.4	0						
15	QPSK	1	48	22.38	22.41	22.48	22.48	22.45								
15	QPSK	1	74	22.35	22.41	22.42	22.48	22.43								
15	QPSK	36	0	21.52	21.31	21.45	21.46	21.50								
15	QPSK	36	20	21.35	21.34	21.48	21.45	21.50	22.4	1						
15	QPSK	36	56	21.35	21.32	21.44	21.54	21.52								
15	QPSK	75	0	21.15	21.34	21.50	21.54	21.53								
15	16QAM	1	0	21.30	21.34	21.40	21.46	21.52								
15	16QAM	1	48	21.43	21.38	21.52	21.54	21.55	22.4	1						
15	16QAM	1	96	21.30	21.46	21.48	21.55	21.55								
15	16QAM	36	0	20.19	20.23	20.44	20.40	20.43								
15	16QAM	36	20	20.29	20.33	20.42	20.53	20.53								
15	16QAM	36	56	20.28	20.30	20.52	20.50	20.52	21.4	2						
15	16QAM	75	0	20.38	20.01	20.09	20.19	20.23								
15	64QAM	1	0	19.99	20.01	20.09	20.19	20.23								
15	64QAM	1	48	20.12	20.12	20.22	20.24	20.27								
15	64QAM	36	0	19.24	19.34	19.45	19.45	19.45	20.4	3						
15	64QAM	36	20	19.21	19.30	19.46	19.44	19.45								
15	64QAM	36	56	19.28	19.27	19.40	19.46	19.46								
15	64QAM	75	0	19.30	19.29	19.42	19.45	19.53								
15	64QAM	75	0	19.32	19.32	19.41	19.45	19.51	Time-up time (dBm)	MPE (dB)						
Channel																
Frequency (MHz)																
10	QPSK	1	0	22.21	22.20	22.29	22.35	22.38	23.4	0						
10	QPSK	1	48	22.25	22.28	22.45	22.46	22.41								
10	QPSK	1	96	22.21	22.15	22.41	22.44	22.40								
10	QPSK	25	0	21.32	21.34	21.45	21.54	21.51								
10	QPSK	25	0	21.37	21.37	21.58	21.63	21.59	22.4	1						
10	QPSK	25	20	21.40	21.33	21.51	21.58	21.55								
10	QPSK	50	0	21.39	21.34	21.48	21.67	21.63								
10	16QAM	1	0	21.40	21.45	21.51	21.57	21.59								
10	16QAM	1	48	21.57	21.58	21.85	21.92	21.86	22.4	1						
10	16QAM	1	96	21.39	20.35	20.48	20.58	20.55								
10	16QAM	25	0	20.32	20.40	20.54	20.60	20.64								
10	16QAM	25	20	20.37	20.33	20.57	20.60	20.70								
10	16QAM	50	0	20.36	20.34	20.54	20.57	20.64	21.4	2						
10	16QAM	1	0	20.59	20.59	20.19	20.29	20.25								
10	64QAM	1	0	20.18	20.12	20.25	20.27	20.32								
10	64QAM	1	48	20.09	20.10	20.23	20.25	20.34								
10	64QAM	25	0	19.31	19.34	19.52	19.53	19.63	20.4	3						
10	64QAM	25	10	19.36	19.40	19.50	19.56	19.66								
10	64QAM	25	20	19.38	19.38	19.54	19.59	19.65								
10	64QAM	50	0	19.38	19.33	19.50	19.50	19.59								
Channel																
Frequency (MHz)																
5	QPSK	1	0	22.15	22.19	22.39	22.33	22.43	23.4	0						
5	QPSK	1	12	22.27	22.21	22.39	22.38	22.43								
5	QPSK	1	24	22.19	22.24	22.41	22.43	22.44								
5	QPSK	12	0	21.35	21.41	21.57	21.57	21.64								
5	QPSK	12	0	21.39	21.32	21.53	21.57	21.63	22.4	1						
5	QPSK	12	18	21.37	21.35	21.48	21.53	21.53								
5	QPSK	25	0	21.40	21.41	21.48	21.58	21.72								
5	16QAM	1	0	21.40	21.43	21.54	21.58	21.64								
5	16QAM	1	12	21.38	21.44	21.61	21.56	21.63	22.4	1						
5	16QAM	1	24	21.46	21.51	21.57	21.67	21.64								
5	16QAM	12	0	20.39	20.35	20.42	20.52	20.55								
5	16QAM	12	7	20.26	20.30	20.50	20.53	20.60								
5	16QAM	12	15	20.24	20.27	20.36	20.46	20.46	21.4	2						
5	16QAM	25	0	20.40	20.40	20.59	20.57	20.59								
5	64QAM	1	0	20.02	20.15	20.32	20.36	20.34								
5	64QAM	1	12	20.10	20.13	20.24	20.34	20.37								
5	64QAM	1	24	20.13	20.14	20.30	20.30	20.41	21.4	2						
5	64QAM	12	0	19.31	19.36	19.47	19.57	19.62								
5	64QAM	12	7	19.33	19.34	19.47	19.52	19.64								
5	64QAM	12	13	19.38	19.28	19.47	19.53	19.60								
5	64QAM	25	0	19.40	19.35	19.54	19.57	19.63	Time-up time (dBm)	MPE (dB)						
Channel																
Frequency (MHz)																
5	QPSK	1	0	22.07	22.03	22.48	22.49	22.54	23.4	0						
5	QPSK	1	12	22.11	22.10	22.49	22.58	22.52								
5	QPSK	1	24	22.08	22.11	22.46	22.55	22.52								
5																



Reduced Power for DSI 2

GSM850_Ant.13	Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)				Tune-up Limit (dBm)
	TX Channel	128	189	251		128	189	251		
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot		29.31	29.16	29.23	30.50	20.31	20.16	20.23	21.50	
GPRS 1 Tx slot		29.31	29.42	29.22	30.50	20.31	20.42	20.22	21.50	
GPRS 2 Tx slots		25.78	25.82	25.73	26.50	19.78	19.82	19.73	20.50	
GPRS 3 Tx slots		24.28	24.10	24.20	25.00	20.02	19.84	19.94	20.74	
GPRS 4 Tx slots		23.30	23.12	23.23	24.00	20.30	20.12	20.23	21.00	
EDGE 1 Tx slot		26.87	26.58	26.89	27.50	17.87	17.58	17.89	18.50	
EDGE 2 Tx slots		24.71	24.55	24.78	25.50	18.71	18.55	18.78	19.50	
EDGE 3 Tx slots		22.60	22.35	22.61	23.50	18.34	18.09	18.35	19.24	
EDGE 4 Tx slots		20.95	20.65	20.98	22.00	17.95	17.65	17.98	18.00	

GSM1900_Ant_13	Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8		
GSM 1 Tx slot	24.77	24.75	24.91	26.00	15.77	15.75	15.91	17.00
GPRS 1 Tx slot	24.70	24.64	24.77	26.00	15.70	15.64	15.77	17.00
GPRS 2 Tx slots	21.89	22.03	22.00	23.00	15.89	16.03	16.00	17.00
GPRS 3 Tx slots	19.88	19.91	20.03	21.00	15.82	15.85	15.77	16.74
GPRS 4 Tx slots	18.89	19.10	19.06	20.00	15.89	16.10	16.06	17.00
EDGE 1 Tx slot	25.48	25.26	25.47	26.00	16.46	16.26	16.47	17.00
EDGE 2 Tx slots	22.52	22.88	22.54	23.00	16.52	16.88	16.54	17.00
EDGE 3 Tx slots	20.25	20.41	20.15	21.00	15.99	16.15	15.89	16.74
EDGE 4 Tx slots	18.76	19.04	18.99	20.00	15.76	16.04	15.99	17.00

Band		WCDMA II_Ant.13			Tune-up Limit (dBm)	WCDMA IV_Ant.31			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		9262	9400	9538	
Rx Channel		9602	9800	9938		9602	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	15.19	15.20	15.11	16.30	23.04	23.09	23.25	24.20
3GPP Rel 99	RMC 12.2Kbps	15.20	15.22	15.17	16.30	23.07	23.28	23.27	24.20
3GPP Rel 6	HSDPA Subtest-1	13.93	13.96	14.24	15.30	21.83	21.93	22.08	23.20
3GPP Rel 6	HSDPA Subtest-2	13.89	13.88	13.69	15.30	21.86	21.91	21.79	23.20
3GPP Rel 6	HSDPA Subtest-3	13.42	13.40	13.69	14.80	21.36	21.40	21.57	22.70
3GPP Rel 6	HSDPA Subtest-4	13.52	13.42	13.62	14.80	21.31	21.41	21.54	22.70
3GPP Rel 6	DC-HSDPA Subtest-1	13.85	13.89	13.92	15.30	21.67	21.82	22.01	23.20
3GPP Rel 6	DC-HSDPA Subtest-2	13.75	13.76	13.76	15.30	21.74	21.76	21.68	23.20
3GPP Rel 6	DC-HSDPA Subtest-3	13.38	13.35	13.37	14.80	21.29	21.31	21.52	22.70
3GPP Rel 6	DC-HSDPA Subtest-4	13.31	13.31	13.32	14.80	21.25	21.35	21.42	22.70
3GPP Rel 6	HSUPA Subtest-1	13.12	13.16	13.15	13.30	21.02	20.89	21.19	21.20
3GPP Rel 6	HSUPA Subtest-2	13.08	13.12	13.13	13.30	21.04	20.92	21.15	21.20
3GPP Rel 6	HSUPA Subtest-3	14.22	14.11	14.30	14.30	22.09	21.52	22.11	22.20
3GPP Rel 6	HSUPA Subtest-4	12.68	12.69	12.68	12.80	20.51	20.47	20.72	21.20
3GPP Rel 6	HSUPA Subtest-5	14.02	14.06	14.04	14.30	21.90	21.90	22.10	22.20
3GPP Rel 7	ISPA+ (10QAM) Subtest	12.94	12.98	12.97	14.30	20.89	20.81	21.09	22.20

Band		WCDMA V_Ant.13			Tune-up Limit (dBm)	WCDMA V_Ant.41			Tune-up Limit (dBm)
TX Channel		4132	4152	4233		4132	4152	4233	
Rx Channel		4357	4407	4458		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	20.65	20.69	20.70	21.50	22.94	23.01	23.12	24.00
3GPP Rel 99	RMC 12.2Kbps	20.68	20.75	20.71	21.50	22.96	23.14	23.13	24.00
3GPP Rel 6	HSDPA Subtest-1	19.64	19.68	19.70	20.50	21.91	22.04	22.09	23.00
3GPP Rel 6	HSDPA Subtest-2	19.62	19.68	19.84	20.50	21.91	21.97	22.07	23.00
3GPP Rel 6	HSDPA Subtest-3	19.23	19.23	19.23	20.00	21.45	21.50	21.58	22.50
3GPP Rel 6	HSDPA Subtest-4	19.08	19.11	19.21	20.00	21.42	21.44	21.56	22.50
3GPP Rel 6	DC-HSDPA Subtest-1	19.59	19.64	19.59	20.50	21.86	21.94	21.95	23.00
3GPP Rel 6	DC-HSDPA Subtest-2	19.55	19.56	19.56	20.50	21.80	21.85	22.02	23.00
3GPP Rel 6	DC-HSDPA Subtest-3	19.16	19.17	19.14	20.00	21.31	21.37	21.51	22.50
3GPP Rel 6	DC-HSDPA Subtest-4	19.06	19.09	18.98	20.00	21.29	21.32	21.47	22.50
3GPP Rel 6	HSUPA Subtest-1	18.34	18.20	18.45	18.50	20.84	20.99	20.92	21.00
3GPP Rel 6	HSUPA Subtest-2	18.25	18.32	18.42	18.50	20.93	20.95	20.89	21.00
3GPP Rel 6	HSUPA Subtest-3	19.26	19.46	19.36	19.50	21.99	21.82	21.90	22.00
3GPP Rel 6	HSUPA Subtest-4	17.88	17.73	17.83	18.00	20.46	20.32	20.47	20.50
3GPP Rel 6	HSUPA Subtest-5	19.20	19.10	19.34	19.50	21.90	21.93	21.90	22.00
3GPP Rel 7	ISPA+ (10QAM) Subtest	18.19	18.02	18.29	19.50	20.77	20.83	20.84	22.00

GSM850_Ant_41	Burst Average Power (dBm)				Tune-up Limit	Frame-Average Power (dBm)				Tune-up Limit
	TX Channel	128	189	251		128	189	251		
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8			
GSM 1 Tx slot	32.23	32.20	32.46	33.50	23.23	23.20	23.46	24.50		
GPRS 1 Tx slot	32.25	32.22	32.49	33.50	23.25	23.22	23.49	24.50		
GPRS 2 Tx slots	30.57	30.69	30.68	31.50	24.57	24.69	24.68	25.50		
GPRS 3 Tx slots	28.63	28.56	28.80	29.50	24.37	24.30	24.54	25.24		
GPRS 4 Tx slots	27.13	27.04	27.31	28.00	24.13	24.04	24.31	25.00		
EDGE 1 Tx slot	26.81	26.66	26.94	27.50	17.81	17.66	17.94	18.50		
EDGE 2 Tx slots	24.74	24.53	24.88	25.50	18.74	18.53	18.88	19.50		
EDGE 3 Tx slots	22.42	22.37	22.78	23.50	18.16	18.11	18.52	19.24		
EDGE 4 Tx slots	20.81	20.57	21.13	22.00	17.81	17.57	18.13	19.00		

GSM1900_Ant_31	Burst Average Power (dbm)			Tune-up	Frame-Average Power (dbm)			Tune-up
TX Channel	512	661	810	Limit	512	661	810	Limit
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.30	29.46	29.75	30.50	20.30	20.46	20.75	21.50
GPRS 1 Tx slot	29.28	29.44	29.76	30.50	20.28	20.44	20.76	21.50
GPRS 2 Tx slots	27.58	27.80	27.77	28.50	21.58	21.80	21.77	22.50
GPRS 3 Tx slots	25.41	25.39	25.74	26.50	21.15	21.13	21.48	22.24
GPRS 4 Tx slots	23.87	23.83	24.21	25.00	20.87	20.83	21.21	22.00
EDGE 1 Tx slot	25.87	25.90	25.92	26.50	16.87	16.90	16.92	17.50
EDGE 2 Tx slots	24.07	24.19	24.37	24.50	18.07	18.19	18.37	18.50
EDGE 3 Tx slots	21.47	21.97	21.99	22.50	17.21	17.71	17.73	18.24
EDGE 4 Tx slots	19.75	19.98	20.01	21.00	16.75	16.98	17.01	18.00

Band		WCDMA IV_Ant.13			Tune-up Limit (dBm)	WCDMA IV_Ant.31			Tune-up Limit (dBm)
TX Channel		1312	1413	1513		1312	1413	1513	
Rx Channel		1537	1638	1738		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	17.00	17.02	16.99	17.80	23.05	22.99	23.10	24.20
3GPP Rel 99	RMC 12.2Kbps	17.02	17.04	17.01	17.80	23.08	23.12	23.11	24.20
3GPP Rel 6	HSDPA Subtest-1	15.76	15.73	15.91	16.80	22.02	21.99	22.12	23.20
3GPP Rel 6	HSDPA Subtest-2	15.67	15.83	15.72	16.80	22.03	21.99	22.00	23.20
3GPP Rel 6	HSDPA Subtest-3	15.32	15.30	15.33	16.30	21.56	21.50	21.84	22.70
3GPP Rel 6	HSDPA Subtest-4	15.33	15.35	15.30	16.30	21.49	21.47	21.57	22.70
3GPP Rel 6	DC-HSDPA Subtest-1	15.69	15.64	15.72	16.80	21.91	21.94	21.97	23.20
3GPP Rel 6	DC-HSDPA Subtest-2	15.73	15.81	15.82	16.80	21.92	21.99	22.01	23.20
3GPP Rel 6	DC-HSDPA Subtest-3	15.23	15.17	15.21	16.30	21.47	21.44	21.55	22.70
3GPP Rel 6	DC-HSDPA Subtest-4	15.31	15.28	15.26	16.30	21.45	21.42	21.40	22.70
3GPP Rel 6	HSUPA Subtest-1	14.50	14.64	14.55	14.80	21.12	21.02	21.10	21.20
3GPP Rel 6	HSUPA Subtest-2	14.59	14.73	14.55	14.80	21.11	21.06	21.06	21.20
3GPP Rel 6	HSUPA Subtest-3	15.68	15.57	15.69	15.80	22.17	22.08	22.09	22.20
3GPP Rel 6	HSUPA Subtest-4	14.07	14.04	14.07	14.30	20.88	20.77	20.86	21.20
3GPP Rel 6	HSUPA Subtest-5	15.50	15.69	15.69	15.80	22.10	22.20	22.10	22.20
3GPP Rel 7	ISPA+ (10QAM) Subtest	14.45	14.62	14.68	15.80	21.09	21.14	21.05	22.20

Band 2_Ant 13										
RF (MHz)	Modulation	RB Size	RB Offset	Power Line Ch / Freq	Power Line Ch / Freq	Power Line Ch / Freq	Power Line Ch / Freq	Turn-up (dBm)	Turn-down (dBm)	MPR (dB)
Channel										
Frequency (MHz)										
20	QPSK	1	0	15.24	15.26	15.26		16.5	0	
20	QPSK	1	48	15.36	15.40	15.43				
20	QPSK	1	96	15.34	15.42	15.36				
20	QPSK	20	0	15.33	15.41	15.33				
20	QPSK	20	24	15.35	15.43	15.40		16.5	0	
20	QPSK	20	50	15.31	15.37	15.36				
20	QPSK	100	0	15.30	15.40	15.30				
20	HQAM	1	0	15.32	15.36	15.36				
20	HQAM	1	48	15.41	15.42	15.39		16.5	0	
20	HQAM	1	96	15.31	15.37	15.31				
20	HQAM	20	0	15.17	15.23	15.22				
20	HQAM	20	24	15.31	15.36	15.32		16.5	0	
20	HQAM	20	50	15.18	15.24	15.24				
20	HQAM	100	0	15.21	15.25	15.23				
20	HQAM	1	0	15.32	15.36	15.36		16.5	0	
20	HQAM	1	48	15.32	15.44	15.42				
20	HQAM	1	96	15.32	15.40	15.39				
20	HQAM	20	0	15.18	15.24	15.21		16.5	0	
20	HQAM	20	24	15.16	15.23	15.23				
20	HQAM	20	50	15.22	15.26	15.18		16.5	0	
20	HQAM	100	0	15.22	15.36	15.18				
Channel										
Frequency (MHz)										
15	QPSK	1	0	15.21	15.19	15.20		16.5	0	
15	QPSK	1	27	15.41	15.35	15.39				
15	QPSK	1	74	15.30	15.36	15.36				
15	QPSK	20	0	15.33	15.38	15.33		16.5	0	
15	QPSK	20	24	15.30	15.42	15.42				
15	QPSK	20	50	15.33	15.38	15.35		16.5	0	
15	HQAM	1	0	15.26	15.27	15.25				
15	HQAM	1	27	15.33	15.36	15.37		16.5	0	
15	HQAM	1	74	15.34	15.26	15.26				
15	HQAM	20	0	15.20	15.33	15.33		16.5	0	
15	HQAM	20	24	15.18	15.15	15.16				
15	HQAM	20	50	15.17	15.15	15.14		16.5	0	
15	HQAM	100	0	15.13	15.18	15.21				
15	HQAM	20	0	15.30	15.28	15.30		16.5	0	
15	HQAM	1	27	15.43	15.33	15.33				
15	HQAM	1	74	15.33	15.34	15.35		16.5	0	
15	HQAM	20	0	15.14	15.14	15.12				
15	HQAM	20	24	15.21	15.22	15.18		16.5	0	
15	HQAM	20	50	15.24	15.22	15.22				
15	HQAM	100	0	15.17	15.24	15.23				
Channel										
Frequency (MHz)										
10	QPSK	1	0	15.32	15.37	15.36		16.5	0	
10	QPSK	1	25	15.43	15.37	15.42				
10	QPSK	1	49	15.31	15.33	15.33		16.5	0	
10	QPSK	20	0	15.28	15.34	15.36				
10	QPSK	20	12	15.42	15.50	15.39		16.5	0	
10	QPSK	20	25	15.33	15.28	15.29				
10	QPSK	20	50	15.29	15.33	15.27		16.5	0	
10	HQAM	1	0	15.26	15.26	15.29				
10	HQAM	1	25	15.40	15.31	15.28		16.5	0	
10	HQAM	1	49	15.31	15.33	15.31				
10	HQAM	20	0	15.15	15.15	15.13		16.5	0	
10	HQAM	20	12	15.21	15.20	15.11				
10	HQAM	20	25	15.11	15.13	15.15		16.5	0	
10	HQAM	20	50	15.16	15.15	15.13				
10	HQAM	1	0	15.28	15.21	15.29		16.5	0	
10	HQAM	1	25	15.36	15.40	15.37				
10	HQAM	1	49	15.27	15.27	15.29		16.5	0	
10	HQAM	20	0	15.20	15.23	15.23				
10	HQAM	20	12	15.22	15.14	15.22		16.5	0	
10	HQAM	20	25	15.19	15.15	15.16				
10	HQAM	100	0	15.23	15.24	15.25				
Channel										
Frequency (MHz)										
5	QPSK	1	0	15.28	15.26	15.22		16.5	0	
5	QPSK	1	12	15.38	15.38	15.32				
5	QPSK	1	24	15.38	15.34	15.30		16.5	0	
5	QPSK	12	0	15.39	15.31	15.34				
5	QPSK	12	12	15.36	15.47	15.41		16.5	0	
5	QPSK	12	13	15.28	15.34	15.34				
5	QPSK	25	0	15.36	15.32	15.28		16.5	0	
5	HQAM	1	0	15.34	15.28	15.28				
5	HQAM	1	12	15.34	15.41	15.36		16.5	0	
5	HQAM	1	24	15.26	15.35	15.29				
5	HQAM	12	0	15.18	15.30	15.17		16.5	0	
5	HQAM	12	7	15.11	15.12	15.22				
5	HQAM	25	0	15.19	15.20	15.16		16.5	0	
5	HQAM	1	0	15.33	15.24	15.31				
5	HQAM	1	12	15.35	15.27	15.32		16.5	0	
5	HQAM	1	24	15.25	15.37	15.32				
5	HQAM	12	0	15.14	15.16	15.22		16.5	0	
5	HQAM	12	7	15.13	15.15	15.15				
5	HQAM	25	0	15.24	15.24	15.15		16.5	0	
5	HQAM	15	0	15.17	15.25	15.18				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	15.30	15.31	15.19		16.5	0	
1.4	QPSK	1	5	15.30	15.42	15.30				
1.4	QPSK	1	5	15.41	15.36	15.32		16.5	0	
1.4	QPSK	3	0	15.32	15.31	15.31				
1.4	QPSK	3	5	15.27	15.32	15.33		16.5	0	
1.4	QPSK	3	5	15.30	15.36	15.36				
1.4	HQAM	1	0	15.26	15.37	15.32		16.5	0	
1.4	HQAM	1	5	15.30	15.35	15.30				
1.4	HQAM	3	0	15.31	15.34	15.29		16.5	0	
1.4	HQAM	3	5	15.12	15.20	15.18				
1.4	HQAM	3	5	15.12	15.13	15.11		16.5	0	
1.4	HQAM	3	5	15.12	15.19	15.23				
1.4	HQAM	6	0	15.21	15.24	15.15		16.5	0	
1.4	HQAM	3	5	15.31	15.38	15.33				
1.4	HQAM	1	0	15.32	15.36	15.36		16.5	0	
1.4	HQAM	3	0	15.32	15.18	15.17				
1.4	HQAM	3	1	15.21	15.20	15.14		16.5	0	
1.4	HQAM	3	5	15.21	15.18	15.17				

Band 2_Ant 31										
RF (MHz)	Modulation	RB Size	RB Offset	Power Line Ch / Freq	Power Line Ch / Freq	Power Line Ch / Freq	Power Line Ch / Freq	Turn-up (dBm)	Turn-down (dBm)	MPR (dB)
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.71	22.66	22.82		24	0	
20	QPSK	1	48	22.74	22.65	23.01				
20	QPSK	1	96	22.70	22.70	23.00				
20	QPSK	100	0	21.63	21.67	21.89		23	1	
20	QPSK	50	24	21.74	21.86	21.83				
20	QPSK	50	50	21.68	21.96	21.88				
20	QPSK	100	0	21.63	21.67	21.89				
20	HQAM	1	0	21.88	21.71	22.22		23	1	
20	HQAM	1	48	21.83	21.88	22.07				
20	HQAM	1	96	21.44	22.08	22.22				
20	HQAM	50	0	20.78	20.88	20.90		22	2	
20	HQAM	50	24	20.74	20.74	21.85				
20	HQAM	50	50	20.70	20.72	21.06				
20	HQAM	100	0	20.68	20.68	20.95				
20	HQAM	1	0	20.87	20.84	20.74		22	2	
20	HQAM	1	48	21.05	20.70	21.63				
20	HQAM	1	96	20.83	20.86	21.07				
20	HQAM	50	0	19.78	19.83	19.87		21	3	
20	HQAM	50	24	19.71	19.84	20.05				
20	HQAM	50	50	19.80	19.81	19.97				
20	HQAM	100	0	19.86	19.84	19.99				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.27	22.48	22.41		24	0	
15	QPSK	1	37	22.43	22.45	22.83				
15	QPSK	1	74	22.28	22.44	22.83				
15	QPSK	1	20	21.42	21.51	21.78		23	1	
15	QPSK	20	20	21.45	21.84	21.82				
15	QPSK	20	48	21.42	21.57	21.81				
15	QPSK	75	0	21.50	21.59	21.81		22	2	
15	HQAM	1	0	21.53	21.81	21.58				
15	HQAM	1	37	21.94	21.77	21.72				
15	HQAM	1	74	21.49	21.78	21.67				
15	HQAM	1	20	20.68	20.67	20.78		22	2	
15	HQAM	20	20	20.68	20.67	20.78				
15	HQAM	20	48	20.68	20.67	20.78				
15	HQAM	75	0	20.58	20.58	20.69		22	2	
15	HQAM	75	37	20.58	20.58	20.69				
15	HQAM	1	0	20.58	20.58	20.69				
15	HQAM	1	24	20.50	20.50	20.67				
15	HQAM	1	37	19.68	19.38	19.78		21	3	
15	HQAM	1	74	19.68	19.38	19.78				
15	HQAM	1	20	19.54	19.35	19.81				
15	HQAM	1	24	19.63	19.37	19.86				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.41	22.66	22.72		24	0	
10	QPSK	1	48	22.43	22.65	23.01				
10	QPSK	1	96	22.38	22.67	23.00				
10	QPSK	100	0	21.42	21.46	21.88		23	1	
10	QPSK	20	0	21.40	21.41	22.04				
10	QPSK	20	12	21.44	21.45	21.87				
10	QPSK	25	25	21.46	21.38	21.79				
10	QPSK	50	0	21.25	21.45	21.82		23	1	
10	QPSK	50	12	21.25	21.35	21.85				
10	HQAM	1	0	21.48	21.51	21.89		23	1	
10	HQAM	1	48	21.48	21.51	21.89				
10	HQAM	1	96	20.38	20.45	20.78				
10	HQAM	25	12	20.49	20.33	20.81		22	2	
10	HQAM	25	25	20.49	20.33	20.81				
10	HQAM	50	0	20.48	20.33	20.81				
10	HQAM	50	0	20.51	20.60	20.88				
10	HQAM	50	12	20.54	20.38	20.82		22	2	
10	HQAM	50	25	20.43	20.54	21.04				
10	HQAM	100	0	20.43	20.54	21.04				
10	HQAM	25	12	19.46	19.32	19.84		21	3	
10	HQAM	25	25	19.52	19.38	19.78				
10	HQAM	50	12	19.43	19.31	19.71				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.38	22.45	22.77		24	0	
5	QPSK	1	12	22.52	22.46	22.84				
5	QPSK	1	24	22.50	22.45	22.74				
5	QPSK	1	36	22.44	22.45	22.75				
5	QPSK	12	7	21.47	21.40	21.81		23	1	
5	QPSK	12	13	21.46	21.38	21.74				
5	QPSK	12	19	21.50	21.46	21.82				
5	HQAM	1	0	21.69	21.86	21.82		23	1	
5	HQAM	1	12	21.69	21.86	21.82				
5	HQAM	1	24	21.56	21.40	22.00				
5	HQAM	12	0	20.42	20.39	20.81		22	2	
5	HQAM	12	13	20.42	20.42	20.78				
5	HQAM	25	0	20.47	20.38	20.82				
5	HQAM	25	13	20.48	20.36	20.76		22	2	
5	HQAM	1	12	20.70	20.20	20.70				
5	HQAM	1	24	20.70	20.20	20.70				
5	HQAM	12	0	19.40	19.35	19.77		21	3	
5	HQAM	12	7	19.55	19.38	19.85				
5	HQAM	12	13	19.55	19.38	19.85				
5	HQAM	25	0	19.45	19.38	19.78				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.17	22.43	22.84		24	0	
3	QPSK	1	48	22.38	22.37	22.78				
3	QPSK	1	96	22.41	22.41	22.81				
3	QPSK	6	0	21.42	21.37	21.84		23	1	
3	QPSK	6	48	21.46	21.38	21.83				
3	QPSK	6	96	21.44	21.38	21.81				
3	QPSK	15	0	21.35	21.41	21.88		23	1	
3	QPSK	15	48	21.35	21.41	21.88				
3	HQAM	1	0	21.42	21.42	21.82		23	1	
3	HQAM	1	48	21.52	21.87	22.05				
3	HQAM	1	96	21.42	21.82	22.05				
3	HQAM	6	0	20.33	20.45	20.89		22	2	
3	HQAM	6	7	20.32	20.36	20.83				
3	HQAM	6	15	20.43	20.45	20.77				
3	HQAM	1	0	20.72	20.49	20.98		22	2	
3	HQAM	1	48	20.66	20.45	20.81				
3	HQAM	1	96	20.68	20.45	20.81				
3	HQAM	6	0	19.33	19.48	19.72		21	3	
3	HQAM	6	48	19.33	19.48	19.72				
3	HQAM	6	96	19.33	19.48	19.72				
3	HQAM	15	0	19.50	19.33	19.82				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.52	22.64	22.62		24	0	
1.4	QPSK	1	48	22.52	22.64	22.62				
1.4	QPSK	1	96	22.52	22.64	22.62				
1.4	QPSK	1	0	22.43	22.38	22.68		24	0	
1.4	QPSK	1	48	22.43	22.38	22.68				
1.4	QPSK	1	96	22.43	22.43	22.68				
1.4	HQAM	1	0	21.85	21.85	22.08		24	0	
1.4	HQAM	1	48	21.85	21.85	22.08				
1.4	HQAM	1	96	21.85	21.85	22.08				
1.4	HQAM	1	0	21.51	21.46	21.80		24	0	
1.4	HQAM	1	48	21.48	21.51	21.79				
1.4	HQAM	1	96	21.48	21.51	21.79				
1.4	HQAM	1	0	20.78	20.68	20.96		24	0	
1.4	HQAM	1	48	20.30	20.68	20.96				
1.4	HQAM	1	96	20.27	20.68	20.96				
1.4	HQAM	1	0	20.54	20.68	20.70		24	0	
1.4	HQAM	1	48	20.54	20.68	20.70				
1.4	HQAM	1	96	20.54	20.68	20.70				
1.4	HQAM	1	0	20.51	20.55	20.78				
1.4	HQAM	1	3	20.62	20.62	20.85		24	0	

Band 4_Ant 31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low (mW)	Power Med (mW)	Power High (mW)	Time-up (ms)	MPR (dB)		
Channel										
Frequency (MHz)				2095	1791.5	1745				
20	QPSK	1	0	22.58	22.58	22.58	24	0		
20	QPSK	1	40	22.58	22.58	22.58				
20	QPSK	1	80	22.41	22.37	22.32				
20	QPSK	50	0	21.51	21.56	21.54				
20	QPSK	50	24	21.48	21.52	21.50	23	1		
20	QPSK	50	50	21.48	21.53	21.51				
20	QPSK	100	0	21.61	21.55	21.56				
20	SCDMA	1	0	21.01	21.59	22.00				
20	SCDMA	1	80	21.65	21.72	21.67	23	1		
20	SCDMA	50	0	20.51	20.52	20.51				
20	SCDMA	50	24	20.57	20.56	20.48				
20	SCDMA	50	50	20.47	20.51	20.49				
20	SCDMA	100	0	20.48	20.24	20.48	22	2		
20	SCDMA	100	50	20.55	20.34	20.60				
20	SCDMA	1	80	20.68	20.76	20.70				
20	SCDMA	1	80	20.37	20.02	20.45				
20	SCDMA	50	0	19.66	19.59	19.65	22	2		
20	SCDMA	50	24	19.81	19.54	19.62				
20	SCDMA	50	50	19.57	19.42	19.50				
20	SCDMA	100	0	19.64	19.45	19.56				
Channel										
Frequency (MHz)				2095	1791.5	1745	Time-up (ms)	MPR (dB)		
16	QPSK	1	0	22.58	22.58	22.58	24	0		
16	QPSK	1	80	22.41	22.51	22.33				
16	QPSK	1	16	22.22	22.32	22.44				
16	QPSK	36	0	21.48	21.36	21.46				
16	QPSK	36	20	21.43	21.38	21.41	23	1		
16	QPSK	74	0	21.26	21.42	21.43				
16	QPSK	74	0	21.38	21.39	21.40				
16	SCDMA	1	0	21.86	21.97	21.41				
16	SCDMA	1	80	21.79	21.62	21.35	23	1		
16	SCDMA	1	14	21.46	21.68	21.31				
16	SCDMA	36	0	20.52	20.34	20.39				
16	SCDMA	36	20	20.53	20.37	20.42				
16	SCDMA	36	36	20.43	20.46	20.39	22	2		
16	SCDMA	75	0	20.48	20.49	20.38				
16	SCDMA	36	36	20.53	20.78	20.38				
16	SCDMA	1	107	20.52	20.49	20.64				
16	SCDMA	1	80	20.52	20.43	20.48	22	2		
16	SCDMA	36	0	19.05	19.08	19.05				
16	SCDMA	36	20	19.81	19.66	19.43				
16	SCDMA	36	36	19.63	19.53	19.60				
16	SCDMA	75	0	19.71	19.53	19.46	21	3		
Channel										
Frequency (MHz)				2095	1791.5	1745	Time-up (ms)	MPR (dB)		
10	QPSK	1	0	22.58	22.43	22.44	24	0		
10	QPSK	1	20	22.41	22.45	22.58				
10	QPSK	1	40	22.35	22.34	22.23				
10	QPSK	25	0	21.48	21.32	21.44				
10	QPSK	25	10	21.44	21.38	21.43	23	1		
10	QPSK	25	40	21.44	21.39	21.46				
10	QPSK	50	0	21.52	21.38	21.42				
10	SCDMA	1	0	21.88	21.69	21.66				
10	SCDMA	1	20	21.58	21.84	21.63	23	1		
10	SCDMA	1	80	21.39	21.46	21.75				
10	SCDMA	25	0	20.44	20.43	20.43				
10	SCDMA	25	10	20.42	20.35	20.31				
10	SCDMA	25	20	20.45	20.18	20.53	22	2		
10	SCDMA	50	0	20.46	20.34	20.48				
10	SCDMA	50	10	20.45	20.18	20.53				
10	SCDMA	1	26	20.77	20.23	20.75				
10	SCDMA	1	80	20.71	20.31	20.11	22	2		
10	SCDMA	25	0	19.76	19.54	19.65				
10	SCDMA	25	10	19.55	19.51	19.61				
10	SCDMA	25	20	19.62	19.43	19.60				
10	SCDMA	50	0	19.63	19.17	19.67	21	3		
Channel										
Frequency (MHz)				1710.5	1710.5	1762.5	Time-up (ms)	MPR (dB)		
5	QPSK	1	0	22.46	22.49	22.47	24	0		
5	QPSK	1	10	22.57	22.52	22.38				
5	QPSK	1	24	22.42	22.35	22.30				
5	QPSK	10	0	21.52	21.42	21.43				
5	QPSK	10	7	21.45	21.38	21.43	23	1		
5	QPSK	10	10	21.39	21.37	21.38				
5	QPSK	25	0	21.47	21.42	21.38				
5	SCDMA	1	0	21.05	21.55	22.00				
5	SCDMA	1	10	21.58	21.51	21.82	23	1		
5	SCDMA	1	24	21.76	21.75	21.74				
5	SCDMA	1	40	21.47	21.37	21.44				
5	SCDMA	10	7	20.41	20.37	20.35				
5	SCDMA	10	10	20.33	20.34	20.36	22	2		
5	SCDMA	25	0	20.42	20.35	20.47				
5	SCDMA	1	0	20.51	20.47	20.45				
5	SCDMA	1	24	20.51	20.36	20.32				
5	SCDMA	1	40	19.88	19.58	19.65	22	2		
5	SCDMA	10	7	20.68	20.52	20.57				
5	SCDMA	1	14	20.66	20.60	20.66				
5	SCDMA	1	0	19.71	19.59	19.47				
5	SCDMA	5	0	19.62	19.65	19.59	21	3		
5	SCDMA	5	7	19.62	19.52	19.64				
5	SCDMA	5	0	19.52	19.43	19.59				
Channel										
Frequency (MHz)				1710.5	1710.5	1764.5	Time-up (ms)	MPR (dB)		
1.4	QPSK	1	0	22.58	22.47	22.29	24	0		
1.4	QPSK	1	0	22.58	22.46	22.33				
1.4	QPSK	1	5	22.44	22.46	22.52				
1.4	QPSK	3	1	22.42	22.46	22.25				
1.4	QPSK	3	1	22.45	22.36	22.28	24	0		
1.4	QPSK	3	1	21.48	21.46	21.61				
1.4	SCDMA	1	0	21.35	21.53	21.65				
1.4	SCDMA	1	1	21.39	21.45	21.35				
1.4	SCDMA	3	0	21.46	21.39	21.35	24	0		
1.4	SCDMA	3	1	21.48	21.48	21.43				
1.4	SCDMA	3	1	21.58	21.50	21.37				
1.4	SCDMA	6	0	20.51	20.42	20.45				
1.4	SCDMA	1	5	20.73	20.67	20.67	24	0		
1.4	SCDMA	1	5	20.67	20.67	20.62				
1.4	SCDMA	1	5	20.81	20.40	20.56				
1.4	SCDMA	1	1	20.52	20.14	20.22				
1.4	SCDMA	1	1	20.23	20.28	20.48	24	0		
1.4	SCDMA	0	0	19.72	19.63	19.68				

Band 5_Ant 13

Band 7_Ant 13													
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. 1 (Frac.)	Power Line Ch. 2 (Frac.)	Power Line Ch. 3 (Frac.)	Power High (dBm)	Turn-up time (ms)	MPE (dB)				
Channel													
Frequency (MHz)													
20565 21065 21565													
20	QPSK	1	0	13.02	13.02	13.02		14	0				
20	QPSK	1	48	13.02	13.14	13.07							
20	QPSK	1	96	12.85	12.90	12.80							
20	QPSK	50	0	13.08	13.11	13.10							
20	QPSK	50	24	13.08	13.11	13.10		14	0				
20	QPSK	50	50	12.78	12.80	12.83							
20	QPSK	100	0	12.91	12.92	12.92							
20	16QAM	1	0	12.91	12.92	12.92							
20	16QAM	1	48	12.85	12.91	12.90		14	0				
20	16QAM	1	96	12.82	12.75	12.85							
20	16QAM	50	0	12.87	12.82	12.84							
20	16QAM	50	24	12.87	12.84	12.84		14	0				
20	16QAM	50	50	12.82	12.84	12.84							
20	16QAM	100	0	12.73	12.74	12.84							
20	16QAM	1	0	12.83	12.87	12.80		14	0				
20	16QAM	1	48	12.88	13.01	12.90							
20	16QAM	1	96	12.71	12.79	12.84							
20	16QAM	50	0	12.79	12.83	12.70		14	0				
20	16QAM	50	24	12.75	12.79	12.79							
20	16QAM	50	50	12.58	12.60	12.52							
20	16QAM	100	0	12.55	12.70	12.64							
Channel													
20565 21100 21575													
Frequency (MHz)													
15	QPSK	1	0	12.94	12.98	12.90		14	0				
15	QPSK	1	47	13.07	13.10	13.07							
15	QPSK	1	94	12.77	12.80	12.81							
15	QPSK	50	0	12.97	12.98	13.00		14	0				
15	QPSK	50	24	13.10	13.00	13.00							
15	QPSK	50	50	12.79	12.80	12.80							
15	QPSK	100	0	12.58	12.55	12.55							
15	16QAM	1	0	12.82	12.80	12.84		14	0				
15	16QAM	1	47	12.80	12.75	12.79							
15	16QAM	1	94	12.65	12.70	12.70							
15	16QAM	50	0	12.81	12.80	12.81		14	0				
15	16QAM	50	24	12.83	12.80	12.80							
15	16QAM	50	50	12.60	12.58	12.60							
15	16QAM	100	0	12.68	12.72	12.68		14	0				
15	16QAM	1	0	12.83	12.83	12.80							
15	16QAM	1	47	12.85	13.00	12.80							
15	16QAM	1	94	12.68	12.67	12.70		14	0				
15	16QAM	50	0	12.76	12.74	12.70							
15	16QAM	50	24	12.75	12.78	12.77							
15	16QAM	50	50	12.55	12.62	12.57							
15	16QAM	100	0	12.62	12.60	12.65							
Channel													
20565 21100 21450													
Frequency (MHz)													
10	QPSK	1	0	12.94	13.01	12.91		14	0				
10	QPSK	1	45	13.04	13.01	13.01							
10	QPSK	1	90	12.84	12.81	12.80							
10	QPSK	25	0	12.94	13.00	13.00		14	0				
10	QPSK	25	12	13.10	12.90	13.04							
10	QPSK	25	25	12.80	12.80	12.80							
10	QPSK	50	0	12.88	13.01	12.91							
10	16QAM	1	0	12.91	12.88	12.83		14	0				
10	16QAM	1	45	12.78	12.88	12.82							
10	16QAM	1	90	12.69	12.69	12.67							
10	16QAM	25	0	12.88	12.80	12.80		14	0				
10	16QAM	25	12	12.98	12.82	12.82							
10	16QAM	25	25	12.81	12.81	12.81							
10	16QAM	50	0	12.82	12.64	12.67							
10	16QAM	1	0	12.98	13.02	12.82		14	0				
10	16QAM	1	45	12.87	12.91	12.90							
10	16QAM	1	90	12.66	12.71	12.70							
10	16QAM	25	0	12.76	12.80	12.82		14	0				
10	16QAM	25	12	12.89	12.77	12.74							
10	16QAM	25	25	12.56	12.63	12.61							
10	16QAM	50	0	12.68	12.69	12.63							
Channel													
20575 21100 21425													
Frequency (MHz)													
5	QPSK	1	0	12.90	13.02	13.01		14	0				
5	QPSK	1	12	13.08	13.08	13.04							
5	QPSK	1	24	12.78	12.88	12.86							
5	QPSK	12	0	12.95	13.05	13.03		14	0				
5	QPSK	12	7	13.01	13.00	13.07							
5	QPSK	12	13	12.80	12.80	12.78							
5	QPSK	25	0	12.87	12.82	12.88		14	0				
5	16QAM	1	0	12.82	12.87	12.80							
5	16QAM	1	12	12.88	12.82	12.82		14	0				
5	16QAM	1	24	12.62	12.71	12.72							
5	16QAM	12	0	12.60	13.01	12.54							
5	16QAM	12	7	12.45	12.52	12.45		14	0				
5	16QAM	12	13	12.53	12.50	12.51							
5	16QAM	25	0	12.82	12.87	12.80		14	0				
5	16QAM	25	0	12.82	12.87	12.80							
5	16QAM	1	0	12.91	12.90	12.85		14	0				
5	16QAM	1	24	12.78	12.71	12.70							
5	16QAM	12	0	12.75	12.75	12.70		14	0				
5	16QAM	12	7	12.70	12.70	12.70							
5	16QAM	12	13	12.51	12.58	12.54							
5	16QAM	25	0	12.62	12.60	12.60							

Band 7_Ant 31												
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. 1 (Frac.)	Power Line Ch. 2 (Frac.)	Power Line Ch. 3 (Frac.)	Power High (dBm)	Turn-up time (ms)	MPE (dB)			
Channel												
Frequency (MHz)												
20565 21065 21565												
20	QPSK	1	0	21.98	21.84	21.87			23.5	0		
20	QPSK	1	48	22.00	22.20	22.23						
20	QPSK	1	96	21.84	21.90	22.22						
20	QPSK	50	0	20.92	20.98	21.18			22.5	1		
20	QPSK	50	24	21.11	21.25	21.19						
20	QPSK	50	50	20.95	21.12	21.00						
20	QPSK	100	0	20.92	21.16	21.07						
20	16QAM	1	0	21.90	21.95	21.81			22.5	1		
20	16QAM	1	48	21.91	20.98	21.35						
20	16QAM	1	96	20.94	20.91	21.25						
20	16QAM	50	0	19.88	19.97	20.08			21.5	2		
20	16QAM	50	24	20.95	19.80	20.20						
20	16QAM	50	50	19.87	19.80	20.24						
20	16QAM	100	0	19.89	19.80	19.95			21.5	2		
20	16QAM	1	48	20.35	20.83	20.28						
20	16QAM	1	96	20.14	19.93	20.33						
20	16QAM	50	0	19.83	19.90	19.86			20.5	3		
20	16QAM	50	24	19.89	19.88	19.17						
20	16QAM	50	50	19.81	19.91	19.92						
20	16QAM	100	0	19.83	19.80	19.25						
Channel												
20565 21100 21575												
Frequency (MHz)												
15	QPSK	1	0	21.97	21.93	21.89		Turn-up time (ms)	23.5	0		
15	QPSK	1	47	21.95	21.51	21.92						
15	QPSK	1	94	21.54	21.67	21.80						
15	QPSK	50	0	20.92	20.98	21.18			22.5	1		
15	QPSK	50	24	21.11	21.25	21.19						
15	QPSK	50	50	20.95	21.12	21.00						
15	QPSK	100	0	20.92	21.16	21.07						
15	16QAM	1	0	21.90	21.95	21.81			22.5	1		
15	16QAM	1	48	21.91	20.98	21.35						
15	16QAM	1	96	20.94	20.91	21.25						
15	16QAM	50	0	19.88	19.97	20.08			21.5	2		
15	16QAM	50	24	20.95	19.80	20.20						
15	16QAM	50	50	19.87	19.80	20.24						
15	16QAM	100	0	19.89	19.80	19.95			21.5	2		
15	16QAM	1	48	20.35	20.83	20.28						
15	16QAM	1	96	20.14	19.93	20.33						
15	16QAM	50	0	19.83	19.90	19.86			20.5	3		
15	16QAM	50	24	19.89	19.88	19.17						
15	16QAM	50	50	19.81	19.91	19.92						
15	16QAM	100	0	19.83	19.80	19.25						
Channel												
20565 21100 21575												
Frequency (MHz)												
10	QPSK	1	0	21.97	21.93	21.89		Turn-up time (ms)	23.5	0		
10	QPSK	1	47	21.95	21.51	21.92						
10	QPSK	1	94	21.51	21.55	22.05						
10	QPSK	50	0	20.92	20.98	21.18			22.5	1		
10	QPSK	50	24	21.11	21.25	21.19						
10	QPSK	50	50	20.95	21.12	21.00						
10	QPSK	100	0	20.92	21.16	21.07						
10	16QAM	1	0	21.90	21.95	21.81			22.5	1		
10	16QAM	1	48	21.91	20.98	21.35						
10	16QAM	1	96	20.94	20.91	21.25						
10	16QAM	50	0	19.88	19.97	20.08			21.5	2		
10	16QAM	50	24	20.95	19.80	20.20						
10	16QAM	50	50	19.87	19.80	20.24						
10	16QAM	100	0	19.89	19.80	19.95			21.5	2		
10	16QAM	1	48	20.35	20.83	20.28						
10	16QAM	1	96	20.14	19.93	20.33						
10	16QAM	50	0	19.83	19.90	19.86			20.5	3		
10	16QAM	50	24	19.89	19.88	19.17						
10	16QAM	50	50	19.81	19.91	19.92						
10	16QAM	100	0	19.83	19.80	19.25						
Channel												
20575 21100 21575												
Frequency (MHz)												
5	QPSK	1	0	21.97	21.93	21.89		Turn-up time (ms)	23.5	0		
5	QPSK	1	12	21.58	21.53	21.94						
5	QPSK	1	24	21.51	21.55	22.05						
5	QPSK	50	0	20.92	20.98	21.18			22.5	1		
5	QPSK	50	12	21.05	21.03	21.52						
5	QPSK	50	24	20.94	20.94	20.80						
5	QPSK	100	0	20.92	21.16	21.07						
5	16QAM	1	0	21.90	21.95	21.81			22.5	1		
5	16QAM	1	12	20.97	20.83	20.80						
5	16QAM	1	24	20.94	20.94	20.78						
5	16QAM	50	0	19.88	19.92	19.78			21.5	2		
5	16QAM	50	12	19.98	19.96	19.83						
5	16QAM	50	24	19.91	19.83	19.82						
5	16QAM	100	0	19.84	19.92	19.72			20.5	3		
5	16QAM	1	12	20.92	20.80	20.77						
5	16QAM	1	24	20.91	20.74	20.74						
5	16QAM	1	24	21.91	19.70	20.13						
5	16QAM	50	12	19.89	19.80	19.88						
5	16QAM	50	24	19.89	19.80	19.75						
5	16QAM	100	0	19.88	19.80	19.75						



Reduced Power for DSI 2

Band 12_Ant 41									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Frac.)	Power High Ch. 1 (Frac.)	Power Low Ch. 2 (Frac.)	Power High Ch. 2 (Frac.)	Turn-up (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.23	23.25	23.23	23.23	24.5	0
10	QPSK	1	26	23.49	23.53	23.43	23.43		
10	QPSK	1	40	23.47	23.49	23.41	23.41		
10	QPSK	25	0	23.43	23.45	23.20	22.44		
10	QPSK	25	12	22.44	22.47	22.30	22.30	23.5	1
10	QPSK	25	20	22.38	22.38	22.24	22.24		
10	QPSK	50	0	22.51	22.50	22.20	22.20		
10	16QAM	1	0	22.42	22.77	22.41	22.41		
10	16QAM	1	20	22.68	22.71	22.46	22.46	23.5	1
10	16QAM	25	0	21.40	21.39	21.31	21.31		
10	16QAM	25	12	21.44	21.36	21.30	21.30		
10	16QAM	25	20	21.38	21.32	21.16	21.16		
10	16QAM	50	0	21.48	21.46	21.15	21.15	22.5	2
10	16QAM	1	0	21.50	21.40	21.03	21.03		
10	16QAM	1	20	21.71	21.68	21.35	21.35		
10	16QAM	1	40	21.69	21.70	21.32	21.32		
10	16QAM	25	0	20.58	20.47	20.43	20.43	22.5	2
10	16QAM	25	12	20.57	20.56	20.50	20.50		
10	16QAM	25	20	20.59	20.61	20.39	20.39		
10	16QAM	50	0	20.65	20.66	20.30	20.30		
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.30	23.28	23.30	23.30	24.5	0
5	QPSK	1	12	23.42	23.45	23.46	23.46		
5	QPSK	1	24	23.58	23.51	23.24	23.24		
5	QPSK	16	0	22.31	22.27	22.40	22.40		
5	QPSK	12	7	22.26	22.31	22.32	22.32	23.5	1
5	QPSK	16	16	22.18	22.16	22.16	22.16		
5	QPSK	20	0	22.27	22.34	22.26	22.26		
5	16QAM	1	0	22.83	22.89	22.38	22.38		
5	16QAM	1	16	22.83	22.87	22.15	22.15	23.5	1
5	16QAM	1	24	22.48	22.73	22.80	22.80		
5	16QAM	12	0	21.23	21.53	21.38	21.38		
5	16QAM	12	7	21.25	21.29	21.24	21.24		
5	16QAM	12	10	21.15	21.18	21.18	21.18	22.5	2
5	16QAM	20	0	21.30	21.40	21.38	21.38		
5	16QAM	1	0	21.58	21.50	21.54	21.54		
5	16QAM	1	10	21.12	21.61	21.58	21.58		
5	16QAM	1	16	21.50	21.50	21.50	21.50	22.5	2
5	16QAM	12	0	20.41	20.40	20.43	20.43		
5	16QAM	12	7	20.52	20.50	20.43	20.43		
5	16QAM	12	10	20.77	20.60	20.46	20.46		
5	16QAM	20	0	20.33	20.54	20.36	20.36	21.5	3
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.30	23.32	23.33	23.33	24.5	0
3	QPSK	1	6	23.30	23.38	23.31	23.31		
3	QPSK	1	14	23.26	23.30	23.32	23.32		
3	QPSK	8	0	22.34	22.23	22.28	22.28		
3	QPSK	8	4	22.28	22.56	22.24	22.24	23.5	1
3	QPSK	8	7	22.20	22.34	22.20	22.20		
3	QPSK	15	0	22.27	22.26	22.21	22.21		
3	16QAM	1	0	22.72	22.77	22.20	22.20		
3	16QAM	1	6	22.65	22.76	22.13	22.13	23.5	1
3	16QAM	1	14	22.53	22.30	22.60	22.60		
3	16QAM	8	0	21.36	21.50	21.57	21.57		
3	16QAM	8	4	21.34	21.20	21.31	21.31		
3	16QAM	8	7	21.22	21.36	21.24	21.24	22.5	2
3	16QAM	15	0	21.32	21.26	21.44	21.44		
3	16QAM	1	0	21.59	21.51	21.03	21.03		
3	16QAM	1	6	21.24	21.53	21.12	21.12		
3	16QAM	1	14	21.60	21.10	21.64	21.64	22.5	2
3	16QAM	8	0	20.56	20.56	20.41	20.41		
3	16QAM	8	4	20.44	20.52	20.33	20.33		
3	16QAM	8	7	20.56	20.47	20.46	20.46		
3	16QAM	15	0	20.45	20.52	20.36	20.36	21.5	3
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.11	23.29	23.36	23.36	24.5	0
1.4	QPSK	1	3	23.24	23.52	23.40	23.40		
1.4	QPSK	1	6	23.03	23.48	23.40	23.40		
1.4	QPSK	3	0	23.31	23.29	23.27	23.27		
1.4	QPSK	3	3	23.17	23.30	23.37	23.37	23.5	1
1.4	QPSK	3	3	23.32	23.30	23.33	23.33		
1.4	QPSK	6	0	22.39	22.38	22.25	22.25		
1.4	16QAM	1	0	22.84	22.73	22.20	22.20		
1.4	16QAM	1	3	22.72	22.82	22.46	22.46	23.5	1
1.4	16QAM	1	5	22.59	22.63	22.58	22.58		
1.4	16QAM	3	0	22.00	22.43	22.25	22.25		
1.4	16QAM	3	1	22.32	22.30	22.23	22.23		
1.4	16QAM	3	3	22.51	22.40	22.18	22.18	22.5	2
1.4	16QAM	6	0	21.32	21.42	21.30	21.30		
1.4	16QAM	1	0	21.37	21.26	21.05	21.05		
1.4	16QAM	1	5	21.38	21.08	21.25	21.25		

Band 13_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Frac.)	Power Middle Ch. 1 (Frac.)	Power High Ch. 1 (Frac.)	Turn-up (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.46	22.46	22.46	23.5	0	
10	QPSK	1	20	22.79	22.79	22.79			
10	QPSK	1	40	22.61	22.61	22.61			
10	QPSK	20	0	22.65	22.65	22.65			
10	QPSK	20	10	22.87	22.87	22.87	23.5	0	
10	QPSK	25	20	22.59	22.59	22.59			
10	16QAM	1	0	22.88	22.88	22.88			
10	16QAM	1	20	22.72	22.72	22.72			
10	16QAM	1	40	22.73	22.73	22.73	23.5	0	
10	16QAM	20	0	21.72	21.72	21.72			
10	16QAM	20	10	21.70	21.70	21.70			
10	16QAM	25	20	21.59	21.59	21.59			
10	16QAM	50	0	21.64	21.64	21.64	22.5	1	
10	16QAM	1	0	21.77	21.77	21.77			
10	16QAM	1	20	21.84	21.84	21.84			
10	16QAM	1	40	21.81	21.81	21.81			
10	16QAM	20	0	20.68	20.68	20.68	21.5	2	
10	16QAM	20	10	20.68	20.68	20.68			
10	16QAM	25	20	20.57	20.57	20.57			
10	16QAM	50	0	20.61	20.61	20.61			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.64	22.59	22.54	23.5	0	
5	QPSK	1	10	22.59	22.63	22.53			
5	QPSK	1	20	22.65	22.58	22.50			
5	QPSK	16	0	22.60	22.64	22.60			
5	QPSK	10	7	22.60	22.60	22.53	23.5	0	
5	QPSK	16	16	22.56	22.54	22.56			
5	QPSK	20	0	22.61	22.62	22.61			
5	16QAM	1	0	22.65	22.67	22.69			
5	16QAM	1	16	22.68	22.62	22.64	23.5	0	
5	16QAM	1	24	22.84	22.65	22.67			
5	16QAM	12	0	21.69	21.63	21.67			
5	16QAM	12	7	21.52	21.54	21.59			
5	16QAM	12	10	21.46	21.53	21.49	22.5	1	
5	16QAM	20	0	21.53	21.56	21.48			
5	16QAM	1	0	21.76	21.72	21.73	22.5	1	
5	16QAM	1	10	21.81	21.74	21.76			
5	16QAM	1	24	21.74	21.77	21.72			
5	16QAM	20	0	21.60	21.63	21.70			
5	16QAM	10	7	20.53	20.59	20.55	21.5	2	
5	16QAM	10	10	20.48	20.54	20.54			
5	16QAM	10	13	20.59	20.59	20.65			
5	16QAM	20	0	20.48	20.54	20.54			

Band 17_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (mW)	Power Mid Ch. 1 (mW)	Power High Ch. 1 (mW)	Turn-up time (ms)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.04	23.04	23.04			
10	QPSK	1	36	23.06	23.06	23.06	24	0	
10	QPSK	1	48	23.01	23.01	23.01			
10	QPSK	25	0	22.40	22.40	22.40			
10	QPSK	25	12	22.44	22.36	22.50	23.5	0.5	
10	QPSK	25	24	22.41	22.42	22.40			
10	QPSK	25	0	22.35	22.40	22.45			
10	QPSK	1	0	22.74	22.74	22.65			
10	QPSK	1	24	22.76	22.66	22.79	23.5	0.5	
10	QPSK	1	48	22.70	22.70	22.65			
10	QPSK	25	0	21.38	21.40	21.40			
10	QPSK	25	12	21.42	21.50	21.50			
10	QPSK	25	24	21.26	21.38	21.27	22.5	1.5	
10	QPSK	25	0	21.30	21.41	21.39			
10	QPSK	1	0	21.73	21.74	21.61			
10	QPSK	1	24	21.58	21.71	21.58	22.5	1.5	
10	QPSK	1	48	21.47	21.55	21.43			
10	QPSK	25	0	20.58	20.63	20.61			
10	QPSK	25	12	20.58	20.71	20.65			
10	QPSK	25	24	20.49	20.53	20.53	21.5	2.5	
10	QPSK	25	0	20.58	20.58	20.57			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.88	22.98	22.88			
5	QPSK	1	12	23.00	22.95	22.92	24	0	
5	QPSK	1	24	22.81	22.88	22.82			
5	QPSK	12	7	22.45	22.42	22.51	23.5	0.5	
5	QPSK	12	19	22.32	22.40	22.40			
5	QPSK	25	0	22.33	22.41	22.36			
5	QPSK	1	0	22.69	22.63	22.62			
5	QPSK	1	12	22.69	22.68	22.71	23.5	0.5	
5	QPSK	1	24	22.68	22.61	22.56			
5	QPSK	12	0	21.40	21.52	21.36			
5	QPSK	12	7	21.43	21.38	21.33	22.5	1.5	
5	QPSK	12	19	21.43	21.36	21.41			
5	QPSK	25	0	21.49	21.45	21.40			
5	QPSK	1	0	21.51	21.57	21.63			
5	QPSK	1	12	21.58	21.56	21.65	22.5	1.5	
5	QPSK	1	24	21.52	21.52	21.59			
5	QPSK	12	0	20.59	20.53	20.50			
5	QPSK	12	7	20.53	20.58	20.59	21.5	2.5	
5	QPSK	12	19	20.52	20.52	20.58			
5	QPSK	25	0	20.58	20.54	20.61			

Band 17_Ant 41									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (mW)	Power Mid Ch. 1 (mW)	Power High Ch. 1 (mW)	Turn-up time (ms)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.26	23.26	23.43			
10	QPSK	1	36	23.53	23.54	23.44	24.5	0	
10	QPSK	1	48	23.33	23.39	23.40			
10	QPSK	25	0	22.20	22.20	22.20			
10	QPSK	25	12	22.35	22.41	22.33	23.5	1	
10	QPSK	25	24	22.30	22.17	22.19			
10	QPSK	25	0	22.29	22.31	22.22			
10	QPSK	1	0	22.59	22.62	22.16			
10	QPSK	1	24	22.56	22.65	22.61	23.5	1	
10	QPSK	1	48	22.67	22.34	22.23			
10	QPSK	25	0	21.25	21.27	21.19			
10	QPSK	25	12	21.41	21.36	21.40			
10	QPSK	25	24	21.41	21.38	21.10	22.5	2	
10	QPSK	25	0	21.30	21.17	21.21			
10	QPSK	1	0	21.51	21.58	21.65			
10	QPSK	1	24	21.40	21.84	21.20	22.5	2	
10	QPSK	1	48	21.57	21.65	21.47			
10	QPSK	25	0	20.36	20.33	20.36			
10	QPSK	25	12	20.54	20.54	20.53	21.5	3	
10	QPSK	25	24	20.46	20.48	20.38			
10	QPSK	25	0	20.44	20.37	20.39			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.39	23.21	23.17			
5	QPSK	1	12	23.39	23.26	23.26	24.5	0	
5	QPSK	1	24	23.22	23.25	23.24			
5	QPSK	12	7	22.19	22.27	22.28	23.5	1	
5	QPSK	12	19	22.27	22.22	22.16			
5	QPSK	25	0	22.25	22.19	22.29			
5	QPSK	1	0	22.65	22.59	22.63			
5	QPSK	1	12	22.79	22.74	22.72	23.5	1	
5	QPSK	12	0	21.20	21.22	21.25			
5	QPSK	12	7	21.27	21.07	21.38	22.5	2	
5	QPSK	12	19	21.23	21.17	21.18			
5	QPSK	25	0	21.26	21.18	21.33			
5	QPSK	1	0	21.31	20.98	21.26			
5	QPSK	1	12	21.57	21.58	21.37	22.5	2	
5	QPSK	1	24	21.37	21.22	21.56			
5	QPSK	12	0	20.44	20.42	20.48			
5	QPSK	12	7	20.38	20.49	20.44	21.5	3	
5	QPSK	12	19	20.40	20.41	20.38			
5	QPSK	25	0	20.45	20.31	20.32			

Band 26_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (mW)	Power Mid Ch. 1 (mW)	Power High Ch. 1 (mW)	Turn-on time (ms)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	21.18	21.18	21.18			
15	QPSK	1	37	21.42	21.40	21.29	22.5	0	
15	QPSK	1	74	21.20	21.35	21.20			
15	QPSK	36	0	21.20	21.33	21.32			
15	QPSK	36	20	21.38	21.39	21.34	22.5	0	
15	QPSK	36	39	21.27	21.34	21.29			
15	QPSK	75	0	21.34	21.38	21.27			
15	QPSK	1	0	21.40	21.33	21.33			
15	QPSK	1	37	21.34	21.39	21.31	22.5	0	
15	QPSK	1	74	21.30	21.37	21.32			
15	QPSK	36	0	20.73	20.84	20.77			
15	QPSK	36	20	20.73	20.80	20.69	22	0.5	
15	QPSK	36	39	20.70	20.69	20.74			
15	QPSK	75	0	20.78	20.67	20.61			
15	QPSK	1	0	20.67	21.03	20.34			
15	QPSK	1	37	21.07	21.13	21.10	22	0.5	
15	QPSK	1	74	20.55	21.02	20.99			
15	QPSK	36	0	19.80	19.80	19.78			
15	QPSK	36	20	19.73	19.87	19.77	21	1.5	
15	QPSK	75	0	19.84	19.87	19.77			
Channel									
Frequency (MHz)									
10	QPSK	1	0	21.38	21.38	21.32			
10	QPSK	1	36	21.42	21.32	21.48	22.5	0	
10	QPSK	1	48	21.38	21.26	21.31			
10	QPSK	25	0	21.32	21.38	21.38			
10	QPSK	25	12	21.43	21.37	21.43	22.5	0	
10	QPSK	25	24	21.27	21.39	21.29			
10	QPSK	36	0	21.38	21.34	21.38			
10	QPSK	1	0	21.31	21.26	21.30			
10	QPSK	1	24	21.27	21.33	21.35	22.5	0	
10	QPSK	1	48	21.30	21.42	21.27			
10	QPSK	25	0	20.63	20.62	20.76			
10	QPSK	25	12	20.68	20.79	20.68	22	0.5	
10	QPSK	25	24	20.79	20.62	20.77			
10	QPSK	36	0	20.77	20.79	20.61			
10	QPSK	36	20	21.06	20.98	21.04			
10	QPSK	1	0	21.06	21.13	21.08	22	0.5	
10	QPSK	1	48	20.92	21.07	21.04			
10	QPSK	25	0	19.75	19.77	19.85			
10	QPSK	25	12	19.79	19.79	19.80	21	1.5	
10	QPSK	25	24	19.75	19.81	19.80			
10	QPSK	36	0	19.89	19.62	19.63			
Channel									
Frequency (MHz)									
5	QPSK	1	0	21.33	21.33	21.24			
5	QPSK	1	12	21.39	21.43	21.41	22.5	0	
5	QPSK	1	24	21.25	21.27	21.25			
5	QPSK	12	0	21.31	21.34	21.37			
5	QPSK	12	7	21.38	21.38	21.43	22.5	0	
5	QPSK	12	19	21.38	21.35	21.37			
5	QPSK	25	0	21.29	21.34	21.41			
5	QPSK	1	0	21.24	21.28	21.35			
5	QPSK	1	24	21.34	21.50	21.42	22.5	0	
5	QPSK	1	48	21.32	21.35	21.37			
5	QPSK	12	0	20.63	20.70	20.68	22	0.5	
5	QPSK	12	7	20.61	20.50	20.79			
5	QPSK	12	19	20.85	20.86	20.89			
5	QPSK	25	0	20.51	20.75	20.61			
5	QPSK	1	0	21.00	20.88	21.05			
5	QPSK	1	36	21.07	21.07	21.07	22	0.5	
5	QPSK	1	72	21.01	21.03	21.03			
5	QPSK	1	108	20.95	20.95	20.95			
5	QPSK	12	0	19.79	19.85	19.79			
5	QPSK	12	7	19.81	19.81	19.81	21	1.5	
5	QPSK	12	19	19.78	19.78	19.80			
5	QPSK	25	0	19.91	19.91	19.91			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	21.13	21.13	21.13	Turn-on time (ms)	MPR (dB)	
1.4	QPSK	1	36	21.47	21.47	21.47	22.5	0	
1.4	QPSK	1	72	21.21	21.21	21.21			
1.4	QPSK	1	108	21.23	21.23	21.23			
1.4	QPSK	3	1	21.31	21.29	21.28	22.5	0	
1.4	QPSK	3	3	21.26	21.35	21.30			
1.4	QPSK	3	5	21.28	21.28	21.27			
1.4	QPSK	3	7	21.18	21.27	21.28	22.5	0	
1.4	QPSK	3	9	21.28	21.40	21.28			
1.4	QPSK	3	11	21.38	21.38	21.37			
1.4	QPSK	3	13	21.28	21.28	21.27	22.5	0	
1.4	QPSK	3	15	21.30	21.29	21.29			
1.4	QPSK	3	17	21.28	21.28	21.28			
1.4	QPSK	3	19	21.28	21.28	21.28			
1.4	QPSK	3	21	21.28	21.28	21.28			
1.4	QPSK	3	23	21.28	21.28	21.28			
1.4	QPSK	3	25	21.28	21.28	21.28			
1.4	QPSK	3	27	21.28	21.28	21.28			
1.4	QPSK	3	29	21.28	21.28	21.28			
1.4	QPSK	3	31	21.28	21.28	21.28			
1.4	QPSK	3	33	21.28	21.28	21.28			
1.4	QPSK	3	35	21.28	21.28	21.28			
1.4	QPSK	3	37	21.28	21.28	21.28			
1.4	QPSK	3	39	21.28	21.28	21.28			
1.4	QPSK	3	41	21.28	21.28	21.28			
1.4	QPSK	3	43	21.28	21.28	21.28			
1.4	QPSK	3	45	21.28	21.28	21.28			
1.4	QPSK	3	47	21.28	21.28	21.28			
1.4	QPSK	3	49	21.28	21.28	21.28			
1.4	QPSK	3	51	21.28	21.28	21.28			
1.4	QPSK	3	53	21.28	21.28	21.28			
1.4	QPSK	3	55	21.28	21.28	21.28			
1.4	QPSK	3	57	21.28	21.28	21.28			
1.4	QPSK	3	59	21.28	21.28	21.28			
1.4	QPSK	3	61	21.28	21.28	21.28			
1.4	QPSK	3	63	21.28	21.28	21.28			
1.4	QPSK	3	65	21.28	21.28	21.28			
1.4	QPSK	3	67	21.28	21.28	21.28			
1.4	QPSK	3	69	21.28	21.28	21.28			
1.4	QPSK	3	71	21.28	21.28	21.28			
1.4	QPSK	3	73	21.28	21.28	21.28			
1.4	QPSK	3	75	21.28	21.28	21.28			
1.4	QPSK	3	77	21.28	21.28	21.28			
1.4	QPSK	3	79	21.28	21.28	21.28			
1.4	QPSK	3	81	21.28	21.28	21.28			
1.4	QPSK	3	83	21.28	21.28	21.28			
1.4	QPSK	3	85	21.28	21.28	21.28			
1.4	QPSK	3	87	21.28	21.28	21.28			
1.4	QPSK	3	89	21.28	21.28	21.28			
1.4	QPSK	3	91	21.28	21.28	21.28			
1.4	QPSK	3	93	21.28	21.28	21.28			
1.4	QPSK	3	95	21.28	21.28	21.28			
1.4	QPSK	3	97	21.28	21.28	21.28			
1.4	QPSK	3	99	21.28	21.28	21.28			
1.4	QPSK	3	101	21.28	21.28	21.28			
1.4	QPSK	3	103	21.28	21.28	21.28			
1.4	QPSK	3	105	21.28	21.28	21.28			
1.4	QPSK	3	107	21.28	21.28	21.28			
1.4	QPSK	3	109	21.28	21.28	21.28			
1.4	QPSK	3	111	21.28	21.28	21.28			
1.4	QPSK	3	113	21.28	21.28	21.28			
1.4	QPSK	3	115	21.28	21.28	21.28			
1.4	QPSK	3	117	21.28	21.28	21.28			
1.4	QPSK	3	119	21.28	21.28	21.28			
1.4	QPSK	3	121	21.28	21.28	21.28			
1.4	QPSK	3	123	21.28	21.28	21.28			
1.4	QPSK	3	125	21.28	21.28	21.28			
1.4	QPSK	3	127	21.28	21.28	21.28			
1.4	QPSK	3	129	21.28	21.28	21.28			
1.4	QPSK	3	131	21.28	21.28	21.28			
1.4	QPSK	3	133	21.28	21.28	21.28			
1.4	QPSK	3	135	21.28	21.28	21.28			
1.4	QPSK	3	137	21.28	21.28	21.28			
1.4	QPSK	3	139	21.28	21.28	21.28			
1.4	QPSK	3	141	21.28	21.28	21.28			
1.4	QPSK	3	143	21.28	21.28	21.28			
1.4	QPSK	3	145	21.28	21.28	21.28			
1.4	QPSK	3	147	21.28	21.28	21.28			
1.4	QPSK	3	149	21.28	21.28	21.28			
1.4	QPSK	3	151	21.28	21.28	21.28			
1.4	QPSK	3	153	21.28	21.28	21.28			
1.4	QPSK	3	155	21.28	21.28	21.28			
1.4	QPSK	3	157	21.28	21.28	21.28			
1.4	QPSK	3	159	21.28	21.28	21.28			
1.4	QPSK	3	161	21.28	21.28	21.28			
1.4	QPSK	3	163	21.28	21.28	21.28			
1.4	QPSK	3	165	21.28	21.28	21.28			
1.4	QPSK	3	167	21.28	21.28	21.28			
1.4	QPSK	3	169	21.28	21.28	21.28			
1.4	QPSK	3	171	21.28	21.28	21.28			
1.4	QPSK	3	173	21.28	21.28	21.28			
1.4	QPSK	3	175	21.28	21.28	21.28			
1.4	QPSK	3	177	21.28	21.28	21.28			
1.4	QPSK	3	179	21.28	21.28	21.28			
1.4	QPSK	3	181	21.28	21.28	21.28			
1.4	QPSK	3	183	21.28	21.28	21.28			
1.4	QPSK	3	185	21.28	21.28	21.28			
1.4	QPSK								

Band 26_Ant 41											
SV (MHz)	Modulation	RB Size	RB Offset	Power Low (W)	Power Med (W)	Power High (W)	Turn-up (dB)	MPR (dB)			
Channel										1500/4	
Frequency (MHz)										1500/4	
10	QPSK	1	0	20.78	21.56	22.37	24	0	23	1	
10	QPSK	1	24	22.79	23.58	24.39					
15	QPSK	1	14	22.87	23.67	24.48					
15	QPSK	1	24	21.68	22.47	23.28					
10	QPSK	30	0	21.75	21.76	21.76	23	1	23	1	
10	QPSK	30	30	21.57	21.58	21.63					
15	QPSK	30	0	21.67	21.67	21.67					
15	QPSK	30	30	21.76	21.77	21.77					
15	HQAM	1	0	21.62	21.66	21.70	23	1	23	1	
15	HQAM	1	24	21.97	22.01	22.05					
15	HQAM	30	0	20.75	20.84	20.93					
15	HQAM	30	30	20.75	20.76	20.76					
15	HQAM	30	30	20.92	20.93	20.93	22	2	22	2	
15	HQAM	75	0	20.88	20.92	20.97					
15	HQAM	1	0	20.92	20.93	20.93					
15	HQAM	1	24	20.85	20.90	20.95	22	2			
15	HQAM	30	0	19.87	19.88	19.88			21	3	
15	HQAM	30	30	19.87	19.88	19.88					
15	HQAM	75	0	19.79	19.79	19.81					
15	HQAM	75	0	19.77	19.77	19.81					
Channel										1500/4	
Frequency (MHz)										1500/4	
10	QPSK	1	0	22.78	23.76	24.77	24	0	24	0	
10	QPSK	1	24	22.72	23.64	24.61					
10	QPSK	30	0	22.47	23.38	24.29					
10	QPSK	30	30	21.78	21.83	21.82					
10	QPSK	25	12	21.78	21.84	21.78	23	1	23	1	
10	QPSK	25	12	21.70	21.81	21.60					
10	QPSK	30	0	21.78	21.88	21.73					
10	HQAM	1	0	22.18	22.89	23.21					
10	HQAM	1	24	22.02	22.84	23.07	23	1	23	1	
10	HQAM	1	30	21.59	21.54	22.24					
10	HQAM	25	0	20.88	20.84	20.82					
10	HQAM	25	0	20.77	20.74	20.71					
10	HQAM	25	25	20.68	20.51	20.56	22	2	22	2	
10	HQAM	30	0	20.68	20.68	20.67					
10	HQAM	1	0	20.95	20.85	20.48					
10	HQAM	1	25	20.75	20.51	20.50	22	2			
10	HQAM	1	30	19.85	19.87	19.70			21	3	
10	HQAM	25	0	19.92	19.85	19.91					
10	HQAM	25	12	19.98	19.82	19.83					
10	HQAM	25	12	19.84	19.73	19.82					
10	HQAM	30	0	19.93	19.81	19.81			21	3	
Channel										1500/4	
Frequency (MHz)										1500/4	
5	QPSK	1	0	22.79	23.67	24.58	24	0	24	0	
5	QPSK	1	12	22.80	23.69	24.74					
5	QPSK	1	24	22.83	23.72	24.81					
5	QPSK	12	6	21.74	21.68	21.85	23	1			
5	QPSK	12	6	21.75	21.69	21.77			23	1	
5	QPSK	12	12	21.72	21.65	21.67					
5	QPSK	25	0	21.67	21.68	21.74					
5	QPSK	1	0	22.05	22.22	22.39	23	1			
5	HQAM	1	0	22.05	22.18	22.30			23	1	
5	HQAM	1	24	21.84	22.04	22.13					
5	HQAM	12	6	20.77	20.84	20.89	22	2			
5	HQAM	12	13	20.75	20.68	20.68					
5	HQAM	1	0	20.50	20.67	21.02	22	2	22	2	
5	HQAM	1	12	20.57	20.67	21.03					
5	HQAM	1	24	20.52	20.62	20.99					
5	HQAM	12	6	19.95	19.91	20.08	22	2			
5	HQAM	12	7	19.90	19.82	20.00	21	3	21	3	
5	HQAM	12	13	19.84	19.73	19.82					
5	HQAM	25	0	19.98	19.79	19.94					
Channel										1500/4	
Frequency (MHz)										1500/4	
1.4	QPSK	1	0	22.79	23.67	24.58	24	0	24	0	
1.4	QPSK	1	0	22.81	23.69	24.61					
1.4	QPSK	1	0	22.74	22.56	22.60					
1.4	QPSK	1	0	22.65	22.62	22.67					
1.4	QPSK	3	0	22.68	22.68	22.71	23	1	23	1	
1.4	QPSK	3	0	22.80	22.58	22.78					
1.4	QPSK	3	0	21.89	21.68	21.76	23	1			
1.4	HQAM	1	0	22.55	22.60	22.66					
1.4	HQAM	1	0	20.84	20.88	20.93	22	2	22	2	
1.4	HQAM	8	4	20.85	20.82	20.88					
1.4	HQAM	7	0	20.60	20.60	20.71					
1.4	HQAM	35	0	20.64	20.52	20.68					
1.4	HQAM	1	0	20.71	20.52	20.84	22	2	22	2	
1.4	HQAM	1	14	20.74	20.57	20.95					
1.4	HQAM	8	0	19.80	19.74	19.85					
1.4	HQAM	8	0	19.80	19.74	19.85					
1.4	HQAM	8	7	19.88	19.71	19.89	21	3	21	3	
1.4	HQAM	15	0	19.85	19.69	19.86					
Channel										1500/4	
Frequency (MHz)										1500/4	
1.4	QPSK	1	0	22.81	22.79	22.77	24	0	24	0	
1.4	QPSK	1	0	22.85	22.86	22.82					
1.4	QPSK	1	0	22.74	22.56	22.60					
1.4	QPSK	1	0	22.65	22.62	22.67					
1.4	QPSK	3	0	22.68	22.68	22.71	23	1	23	1	
1.4	QPSK	3	0	22.80	22.58	22.78					
1.4	QPSK	3	0	21.89	21.68	21.76	23	1			
1.4	HQAM	1	0	22.55	22.60	22.66					
1.4	HQAM	1	0	20.84	20.88	20.93	22	2	22	2	
1.4	HQAM	8	4	20.85	20.82	20.88					
1.4	HQAM	7	0	20.60	20.60	20.70					
1.4	HQAM	35	0	20.64	20.52	20.70					
1.4	HQAM	1	0	20.68	20.85	20.47	22	2	22	2	
1.4	HQAM	1	14	20.71	20.54	20.91					
1.4	HQAM	8	0	19.79	19.73	19.83					
1.4	HQAM	8	0	19.74	19.58	20.59					
1.4	HQAM	8	7	19.81	19.58	20.71	21	3	21	3	
1.4	HQAM	15	0	19.78	19.61	19.79					
Channel										1500/4	
Frequency (MHz)										1500/4	
1.4	QPSK	1	0	22.81	22.79	22.77	24	0	24	0	
1.4	QPSK	1	0	22.85	22.86	22.82					
1.4	QPSK	1	0	22.74	22.56	22.60					
1.4	QPSK	1	0	22.65	22.62	22.67					
1.4	QPSK	3	0	22.68	22.68	22.71	23	1	23	1	
1.4	QPSK	3	0	22.80	22.58	22.78					
1.4	QPSK	3	0	21.89	21.68	21.76	23	1			
1.4	HQAM	1	0	22.55	22.60	22.66					
1.4	HQAM	1	0	20.84	20.88	20.93	22	2	22	2	
1.4	HQAM	8	4	20.85	20.82	20.88					
1.4	HQAM	7	0	20.60	20.60	20.70					
1.4	HQAM	35	0	20.64	20.52	20.70					
1.4	HQAM	1	0	20.68	20.85	20.47	22	2	22	2	
1.4	HQAM	1	14	20.71	20.54	20.91					
1.4	HQAM	8	0	19.79	19.73	19.83					
1.4	HQAM	8	0	19.74	19.58	20.59					
1.4	HQAM	8	7	19.81	19.58	20.71	21	3	21	3	
1.4	HQAM	15	0	19.78	19.61	19.79					
Channel										1500/4	
Frequency (MHz)										1500/4	
1.4	QPSK	1	0	22.81	22.79	22.77	24	0	24	0	
1.4	QPSK	1	0	22.85	22.86	22.82					
1.4	QPSK	1	0	22.74	22.56	22.60					
1.4	QPSK	1	0	22.65	22.62	22.67					
1.4	QPSK	3	0	22.68	22.68	22.71	23	1	23	1	
1.4	QPSK	3	0	22.80	22.58	22.78					
1.4	QPSK	3	0	21.89	21.68	21.76	23	1			
1.4	HQAM	1	0	22.55	22.60	22.66					
1.4	HQAM	1	0	20.84	20.88	20.93	22	2	22	2	
1.4	HQAM	8	4	20.85	20.82	20.88					
1.4	HQAM	7	0	20.60	20.60	20.70					
1.4	HQAM	35	0	20.64	20.52	20.70					
1.4	HQAM	1	0	20.68	20.85	20.47	22	2	22	2	
1.4	HQAM	1	14	20.71	20.54	20.91					
1.4	HQAM	8	0	19.79	19.73	19.83					
1.4	HQAM	8	0	19.74	19.58	20.59					
1.4	HQAM	8	7	19.81	19.58	20.71	21	3	21	3	
1.4	HQAM	15	0	19.78	19.61	19.79					
Channel										1500/4	
Frequency (MHz)										1500/4	
1.4	QPSK	1	0	22.81	22.79	22.77	24	0	24	0	
1.4	QPSK	1	0	22.85	22.86	22.82					
1.4	QPSK	1	0	22.74	22.56	22.60					
1.4	QPSK	1	0	22.65	22.62	22.67					
1.4	QPSK	3	0	22.68	22.68	22.71	23	1	23	1	
1.4	QPSK	3	0	22.80	22.58	22.78					
1.4	QPSK	3	0	21.89	21.68	21.76	23	1			
1.4	HQAM	1	0	22.55	22.60	22.66					
1.4	HQAM	1	0	20.84	20.88	20.93	22	2	22	2	
1.4	HQAM	8	4	20.85	20.82	20.88					
1.4	HQAM	7	0	20.60	20.60	20.70					
1.4	HQAM	35	0	20.64	20.52	20.70					
1.4	HQAM	1	0	20.68	20.85	20.47	22	2	22	2	
1.4	HQAM	1	14	20.71	20.54	20.91					
1.4	HQAM	8	0	19.79	19.73	19.83					
1.4	HQAM	8	0	19.74	19.58	20.59					
1.4	HQAM	8	7	19.81	19.58	20.71	21	3	21	3	
1.4	HQAM	15	0	19.78	19.61	19.79					
Channel										1500/4	
Frequency (MHz)										1500/4	
1.4	QPSK	1	0	22.81	22.79	22.77	24	0	24	0	
1.4	QPSK	1	0	22.85	22.86	22.82					
1.4	QPSK	1	0	22.74	22.56	22.60					
1.4	QPSK	1	0	22.65	22.62	22.67					
1.4	QPSK	3	0	22.68	22.68	22.71	23	1	23		



Band 38_Ant 31									
[W/ [Hz]	Modulation	RB Size	RB Offset	Power Loss (dB)	Power Margin (dB)	Power Headroom (dB)	Far-end rate (Mbps)	SINR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.43	22.48	23.50			
20	QPSK	1	40	22.65	22.79	22.77		23.8	0
20	QPSK	1	80	22.67	22.69	22.73			
20	QPSK	1	120	23.46	23.48	23.48			
20	QPSK	16	24	21.68	21.38	21.77		22.8	1
20	QPSK	16	160	21.67	21.68	21.72			
20	QPSK	160	0	21.68	21.68	21.68			
20	QPSK	160	160	21.68	21.68	21.68		22.8	1
20	QPSK	1	0	21.47	21.54	21.51			
20	QPSK	1	40	21.48	21.51	21.51			
20	QPSK	1	80	21.65	21.59	21.61		22.8	1
20	QPSK	1	120	21.65	21.59	21.61			
20	QPSK	16	0	20.54	20.03	20.86			
20	QPSK	16	40	20.54	20.03	20.86			
20	QPSK	16	80	20.54	20.03	20.86		21.8	2
20	QPSK	16	120	20.54	20.03	20.86			
20	QPSK	160	0	20.86	20.03	20.86			
20	QPSK	160	40	20.86	20.03	20.86			
20	QPSK	160	80	20.86	20.03	20.86		21.8	2
20	QPSK	160	120	20.86	20.03	20.86			
20	QPSK	1	0	20.35	20.43	20.39			
20	QPSK	1	40	20.35	20.43	20.39			
20	QPSK	1	80	20.35	20.43	20.39		20.8	3
20	QPSK	1	120	20.35	20.43	20.39			
20	QPSK	16	0	19.59	19.67	19.67			
20	QPSK	16	40	19.59	19.67	19.67			
20	QPSK	16	80	19.59	19.67	19.67		20.8	3
20	QPSK	16	120	19.59	19.67	19.67			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.30	22.39	22.39			
15	QPSK	1	40	21.74	21.83	21.82		23.8	0
15	QPSK	1	80	21.74	21.83	21.82			
15	QPSK	16	0	21.31	21.40	21.40			
15	QPSK	16	40	21.31	21.40	21.40		22.8	1
15	QPSK	16	80	21.35	21.43	21.47			
15	QPSK	16	120	21.38	21.46	21.54			
15	QPSK	160	0	21.38	21.46	21.54			
15	QPSK	160	40	21.38	21.46	21.54		22.8	1
15	QPSK	160	80	21.43	21.50	21.51			
15	QPSK	160	120	21.43	21.50	21.51			
15	QPSK	16	0	20.34	20.41	20.41		21.8	2
15	QPSK	16	40	20.34	20.41	20.41			
15	QPSK	16	80	20.34	20.41	20.41			
15	QPSK	16	120	20.34	20.41	20.41		21.8	2
15	QPSK	160	0	20.39	20.03	20.19			
15	QPSK	160	40	20.39	20.03	20.19			
15	QPSK	160	80	20.39	20.03	20.19		21.8	2
15	QPSK	160	120	20.39	20.03	20.19			
15	QPSK	16	0	19.29	19.30	19.46			
15	QPSK	16	40	19.33	19.42	19.42			
15	QPSK	16	80	19.33	19.44	19.45		20.8	3
15	QPSK	16	120	19.33	19.44	19.45			



Reduced Power for DSI 2

Band 41_Ant 13												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Frac)	Power Low Middle Ch. 2 (Frac)	Power Low High Middle Ch. 3 (Frac)	Power High Middle Ch. 4 (Frac)	Power High Middle Ch. 5 (Frac)	Power High Middle Ch. 6 (Frac)	Power High Middle Ch. 7 (Frac)	Power High Middle Ch. 8 (Frac)	Power High Middle Ch. 9 (Frac)
Channel												
Frequency (MHz)												
20	QPSK	1	0	15.03	15.13	15.19	15.20	15.21	15.21	15.21	15.21	15.21
20	QPSK	1	48	15.22	15.21	15.20	15.22	15.18	15.18	15.18	15.18	15.18
20	QPSK	1	96	15.17	15.19	15.23	15.15	15.08	15.08	15.08	15.08	15.08
20	QPSK	50	0	15.04	15.07	15.12	15.09	15.12	15.12	15.12	15.12	15.12
20	QPSK	50	24	15.10	15.14	15.20	15.11	15.04	15.04	15.04	15.04	15.04
20	QPSK	50	48	15.05	15.06	15.10	15.05	15.05	15.05	15.05	15.05	15.05
20	QPSK	100	0	15.04	15.08	15.14	15.00	15.00	15.00	15.00	15.00	15.00
20	ISDM	1	0	15.23	15.22	15.24	15.17	15.15	15.15	15.15	15.15	15.15
20	ISDM	1	48	15.12	15.10	15.22	15.11	15.13	15.13	15.13	15.13	15.13
20	ISDM	1	96	15.07	15.10	15.11	15.03	15.02	15.02	15.02	15.02	15.02
20	ISDM	50	0	15.23	15.17	15.24	15.16	15.16	15.16	15.16	15.16	15.16
20	ISDM	50	24	15.16	15.21	15.24	15.20	15.20	15.20	15.20	15.20	15.20
20	ISDM	50	50	15.09	15.12	15.18	15.09	15.09	15.09	15.09	15.09	15.09
20	ISDM	100	0	15.15	15.20	15.24	15.16	15.13	15.13	15.13	15.13	15.13
20	ISDM	1	0	15.07	15.09	15.10	15.08	15.10	15.10	15.10	15.10	15.10
20	ISDM	1	48	15.21	15.19	15.23	15.17	15.15	15.15	15.15	15.15	15.15
20	ISDM	1	96	15.07	15.08	15.10	15.04	15.01	15.01	15.01	15.01	15.01
20	ISDM	50	0	15.10	15.16	15.23	15.11	15.12	15.12	15.12	15.12	15.12
20	ISDM	50	24	15.15	15.17	15.23	15.21	15.22	15.22	15.22	15.22	15.22
20	ISDM	50	50	15.05	15.12	15.15	15.08	15.13	15.13	15.13	15.13	15.13
20	ISDM	100	0	15.07	15.10	15.20	15.18	15.16	15.16	15.16	15.16	15.16
Channel												
Frequency (MHz)												
15	QPSK	1	0	15.13	15.18	15.15	15.09	15.17	15.17	15.17	15.17	15.17
15	QPSK	1	32	15.18	15.13	15.23	15.21	15.22	15.22	15.22	15.22	15.22
15	QPSK	1	74	15.13	15.13	15.11	15.19	15.12	15.12	15.12	15.12	15.12
15	QPSK	36	0	15.11	15.09	15.04	15.09	15.09	15.09	15.09	15.09	15.09
15	QPSK	36	20	15.14	15.12	15.20	15.24	15.17	15.17	15.17	15.17	15.17
15	QPSK	36	36	15.13	15.08	15.14	15.07	15.13	15.13	15.13	15.13	15.13
15	QPSK	74	0	15.12	15.02	15.11	15.08	15.09	15.09	15.09	15.09	15.09
15	ISDM	1	0	15.22	15.11	15.12	15.23	15.13	15.13	15.13	15.13	15.13
15	ISDM	1	32	15.18	15.13	15.16	15.12	15.17	15.17	15.17	15.17	15.17
15	ISDM	1	74	15.15	15.08	15.06	15.05	15.09	15.09	15.09	15.09	15.09
15	ISDM	36	0	15.22	15.22	15.20	15.20	15.18	15.18	15.18	15.18	15.18
15	ISDM	36	20	15.23	15.16	15.13	15.13	15.20	15.20	15.20	15.20	15.20
15	ISDM	36	36	15.05	15.16	15.05	15.11	15.10	15.10	15.10	15.10	15.10
15	ISDM	75	0	15.11	15.16	15.19	15.16	15.11	15.11	15.11	15.11	15.11
15	ISDM	1	0	15.10	15.07	15.07	15.03	15.14	15.14	15.14	15.14	15.14
15	ISDM	1	32	15.09	15.08	15.19	15.21	15.20	15.20	15.20	15.20	15.20
15	ISDM	36	0	15.16	15.14	15.16	15.16	15.16	15.16	15.16	15.16	15.16
15	ISDM	36	20	15.14	15.15	15.15	15.15	15.15	15.15	15.15	15.15	15.15
15	ISDM	36	36	15.21	15.14	15.19	15.20	15.19	15.19	15.19	15.19	15.19
15	ISDM	75	0	15.06	15.08	15.10	15.12	15.14	15.14	15.14	15.14	15.14
15	ISDM	75	0	15.11	15.19	15.10	15.17	15.11	15.11	15.11	15.11	15.11
Channel												
Frequency (MHz)												
10	QPSK	1	0	15.17	15.15	15.09	15.09	15.17	15.17	15.17	15.17	15.17
10	QPSK	1	26	15.21	15.21	15.24	15.26	15.24	15.24	15.24	15.24	15.24
10	QPSK	1	48	15.10	15.10	15.12	15.18	15.19	15.19	15.19	15.19	15.19
10	QPSK	25	0	15.01	15.06	15.07	15.09	15.11	15.11	15.11	15.11	15.11
10	QPSK	25	6	15.14	15.20	15.17	15.17	15.13	15.13	15.13	15.13	15.13
10	QPSK	25	26	15.14	15.10	15.11	15.04	15.16	15.16	15.16	15.16	15.16
10	QPSK	50	0	15.13	15.10	15.06	15.10	15.11	15.11	15.11	15.11	15.11
10	ISDM	1	0	15.20	15.19	15.21	15.13	15.13	15.13	15.13	15.13	15.13
10	ISDM	1	48	15.03	15.04	15.03	15.09	15.10	15.10	15.10	15.10	15.10
10	ISDM	25	0	15.12	15.12	15.14	15.19	15.18	15.18	15.18	15.18	15.18
10	ISDM	25	12	15.20	15.11	15.14	15.17	15.22	15.22	15.22	15.22	15.22
10	ISDM	25	26	15.12	15.11	15.14	15.16	15.09	15.09	15.09	15.09	15.09
10	ISDM	50	0	15.21	15.20	15.21	15.20	15.13	15.13	15.13	15.13	15.13
10	ISDM	1	0	15.12	15.07	15.03	15.14	15.04	15.04	15.04	15.04	15.04
10	ISDM	1	26	15.21	15.15	15.20	15.13	15.10	15.10	15.10	15.10	15.10
10	ISDM	1	48	14.82	14.84	14.83	14.81	14.88	14.88	14.88	14.88	14.88
10	ISDM	26	0	15.19	15.18	15.16	15.18	15.16	15.16	15.16	15.16	15.16
10	ISDM	26	12	15.13	15.10	15.15	15.16	15.14	15.14	15.14	15.14	15.14
10	ISDM	26	26	15.15	15.08	15.11	15.08	15.11	15.11	15.11	15.11	15.11
10	ISDM	50	0	15.11	15.10	15.16	15.14	15.13	15.13	15.13	15.13	15.13
Channel												
Frequency (MHz)												
5	QPSK	1	0	15.11	15.11	15.19	15.16	15.11	15.11	15.11	15.11	15.11
5	QPSK	1	12	15.16	15.25	15.13	15.23	15.15	15.15	15.15	15.15	15.15
5	QPSK	1	24	15.15	15.19	15.20	15.17	15.20	15.20	15.20	15.20	15.20
5	QPSK	12	0	15.05	15.00	15.02	15.04	15.07	15.07	15.07	15.07	15.07
5	QPSK	12	6	15.24	15.09	15.18	15.19	15.18	15.18	15.18	15.18	15.18
5	QPSK	12	12	15.04	15.13	15.12	15.10	15.09	15.09	15.09	15.09	15.09
5	QPSK	25	0	15.11	15.02	15.07	15.01	15.10	15.10	15.10	15.10	15.10
5	ISDM	1	0	15.20	15.20	15.12	15.14	15.22	15.22	15.22	15.22	15.22
5	ISDM	1	12	15.12	15.09	15.19	15.18	15.17	15.17	15.17	15.17	15.17
5	ISDM	1	24	15.10	14.99	15.01	15.04	15.08	15.08	15.08	15.08	15.08
5	ISDM	12	0	15.12	15.19	15.21	15.19	15.21	15.21	15.21	15.21	15.21
5	ISDM	12	7	15.17	15.14	15.19	15.12	15.13	15.13	15.13	15.13	15.13
5	ISDM	12	12	15.06	15.10	15.18	15.14	15.16	15.16	15.16	15.16	15.16
5	ISDM	25	0	15.12	15.25	15.14	15.15	15.15	15.15	15.15	15.15	15.15
5	ISDM	1	0	15.08	15.11	15.01	15.08	15.15	15.15	15.15	15.15	15.15
5	ISDM	1	12	15.21	15.13	15.15	15.15	15.08	15.08	15.08	15.08	15.08
5	ISDM	1	24	14.84	14.89	15.01	14.96	14.84	14.84	14.84	14.84	14.84
5	ISDM	12	0	15.20	15.22	15.14	15.17	15.22	15.22	15.22	15.22	15.22
5	ISDM	12	7	15.15	15.15	15.22	15.17	15.14	15.14	15.14	15.14	15.14
5	ISDM	12	12	15.10	15.14	15.10	15.12	15.15	15.15	15.15	15.15	15.15
5	ISDM	25	0	15.15	15.10	15.14	15.11	15.15	15.15	15.15	15.15	15.15

Band 41_Ant 31													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Frac)	Power Low Ch. 2 (Frac)	Power Low Ch. 3 (Frac)	Power High Ch. 4 (Frac)	Power High Ch. 5 (Frac)	Power High Ch. 6 (Frac)	Power High Ch. 7 (Frac)	Power High Ch. 8 (Frac)	Time-up test (dB)	MFR (dB)
Channel													
Frequency (MHz)													
30	QPSK	1	0	22.20	22.22	22.22	22.52	22.52	22.52	22.52	22.52	23.8	0
30	QPSK	1	48	22.37	22.44	22.83	22.71	22.70	22.70	22.70	22.70		
30	QPSK	1	96	22.25	22.43	22.57	22.67	22.67	22.68	22.68	22.68		
30	QPSK	50	0	21.26	21.30	21.38	21.70	21.67	21.67	21.67	21.67		
30	QPSK	50	24	21.46	21.47	21.75	21.67	21.71	21.71	21.71	21.71	22.8	1
30	QPSK	50	48	21.43	21.46	21.75	21.67	21.71	21.71	21.71	21.71		
30	QPSK	50	72	21.33	21.33	21.72	21.67	21.67	21.68	21.68	21.68		
30	QPSK	50	96	21.20	21.28	21.64	21.58	21.58	21.58	21.58	21.58		
30	QPSK	50	120	21.40	21.47	21.75	21.67	21.71	21.71	21.71	21.71	22.8	1
30	QPSK	50	144	21.30	21.37	21.57	21.58	21.58	21.58	21.58	21.58		
30	QPSK	50	168	20.25	20.31	20.58	20.65	20.65	20.72	20.72	20.72		
30	QPSK	50	192	20.35	20.47	20.78	20.67	20.67	20.72	20.72	20.72		
30	QPSK	50	216	20.16	20.17	20.38	20.74	20.70	20.70	20.70	20.70	21.8	2
30	QPSK	50	240	20.10	20.10	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	264	20.05	20.05	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	288	20.00	20.00	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	312	19.95	19.95	20.38	20.74	20.70	20.70	20.70	20.70	21.8	2
30	QPSK	50	336	19.90	19.90	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	360	19.85	19.85	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	384	19.80	19.80	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	408	19.75	19.75	20.38	20.74	20.70	20.70	20.70	20.70	21.8	2
30	QPSK	50	432	19.70	19.70	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	456	19.65	19.65	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	480	19.60	19.60	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	504	19.55	19.55	20.38	20.74	20.70	20.70	20.70	20.70	21.8	2
30	QPSK	50	528	19.50	19.50	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	552	19.45	19.45	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	576	19.40	19.40	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	600	19.35	19.35	20.38	20.74	20.70	20.70	20.70	20.70	21.8	2
30	QPSK	50	624	19.30	19.30	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	648	19.25	19.25	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	672	19.20	19.20	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	696	19.15	19.15	20.38	20.74	20.70	20.70	20.70	20.70	21.8	2
30	QPSK	50	720	19.10	19.10	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	744	19.05	19.05	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	768	19.00	19.00	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	792	18.95	18.95	20.38	20.74	20.70	20.70	20.70	20.70	21.8	2
30	QPSK	50	816	18.90	18.90	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	840	18.85	18.85	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	864	18.80	18.80	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	888	18.75	18.75	20.38	20.74	20.70	20.70	20.70	20.70	21.8	2
30	QPSK	50	912	18.70	18.70	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	936	18.65	18.65	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	960	18.60	18.60	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	984	18.55	18.55	20.38	20.74	20.70	20.70	20.70	20.70	21.8	2
30	QPSK	50	1008	18.50	18.50	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1032	18.45	18.45	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1056	18.40	18.40	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1080	18.35	18.35	20.38	20.74	20.70	20.70	20.70	20.70	21.8	2
30	QPSK	50	1104	18.30	18.30	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1128	18.25	18.25	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1152	18.20	18.20	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1176	18.15	18.15	20.38	20.74	20.70	20.70	20.70	20.70	21.8	2
30	QPSK	50	1200	18.10	18.10	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1224	18.05	18.05	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1248	18.00	18.00	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1272	17.95	17.95	20.38	20.74	20.70	20.70	20.70	20.70	21.8	2
30	QPSK	50	1296	17.90	17.90	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1320	17.85	17.85	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1344	17.80	17.80	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1368	17.75	17.75	20.38	20.74	20.70	20.70	20.70	20.70	21.8	2
30	QPSK	50	1392	17.70	17.70	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1416	17.65	17.65	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1440	17.60	17.60	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1464	17.55	17.55	20.38	20.74	20.70	20.70	20.70	20.70	21.8	2
30	QPSK	50	1488	17.50	17.50	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1512	17.45	17.45	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1536	17.40	17.40	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1560	17.35	17.35	20.38	20.74	20.70	20.70	20.70	20.70	21.8	2
30	QPSK	50	1584	17.30	17.30	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1608	17.25	17.25	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1632	17.20	17.20	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1656	17.15	17.15	20.38	20.74	20.70	20.70	20.70	20.70	21.8	2
30	QPSK	50	1680	17.10	17.10	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1704	17.05	17.05	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1728	17.00	17.00	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1752	16.95	16.95	20.38	20.74	20.70	20.70	20.70	20.70	21.8	2
30	QPSK	50	1776	16.90	16.90	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1800	16.85	16.85	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1824	16.80	16.80	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1848	16.75	16.75	20.38	20.74	20.70	20.70	20.70	20.70	21.8	2
30	QPSK	50	1872	16.70	16.70	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1896	16.65	16.65	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1920	16.60	16.60	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1944	16.55	16.55	20.38	20.74	20.70	20.70	20.70	20.70	21.8	2
30	QPSK	50	1968	16.50	16.50	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	1992	16.45	16.45	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	2016	16.40	16.40	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	2040	16.35	16.35	20.38	20.74	20.70	20.70	20.70	20.70	21.8	2
30	QPSK	50	2064	16.30	16.30	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	2088	16.25	16.25	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	2112	16.20	16.20	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	2136	16.15	16.15	20.38	20.74	20.70	20.70	20.70	20.70	21.8	2
30	QPSK	50	2160	16.10	16.10	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	2184	16.05	16.05	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	2208	16.00	16.00	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	2232	15.95	15.95	20.38	20.74	20.70	20.70	20.70	20.70	21.8	2
30	QPSK	50	2256	15.90	15.90	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	2280	15.85	15.85	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	2304	15.80	15.80	20.38	20.74	20.70	20.70	20.70	20.70		
30	QPSK	50	2328	15.75	15.75	20.38	20.74	20.70	20.70	20.70	20.70	21.8	2
30	QPSK	50	2352	15.70	15.70	20.38							



Reduced Power for DSI 3

GSM850_Ant.13				Burst Average Power (dBm)				Tune-up Limit (dBm)				Frame-Average Power (dBm)				Tune-up Limit (dBm)			
TX Channel				128	189	251		128	189	251		128	189	251		128	189	251	
Frequency (MHz)				824.2	836.4	848.8		824.2	836.4	848.8		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot				28.02	27.73	27.75	29.00	19.02	18.73	18.75	20.00	19.02	18.73	18.75	20.00	19.02	18.73	18.75	20.00
GPRS 1 Tx slot				27.95	27.99	27.76	29.00	18.95	18.99	18.76	20.00	18.95	18.99	18.76	20.00	18.95	18.99	18.76	20.00
GPRS 2 Tx slots				24.31	24.44	24.25	25.00	16.31	16.44	16.25	17.00	16.31	16.44	16.25	17.00	16.31	16.44	16.25	17.00
GPRS 3 Tx slots				22.51	22.23	22.24	23.00	15.25	15.97	15.98	16.74	15.25	15.97	15.98	16.74	15.25	15.97	15.98	16.74
GPRS 4 Tx slots				22.02	21.72	21.74	22.50	15.02	14.72	14.74	15.50	15.02	14.72	14.74	15.50	15.02	14.72	14.74	15.50
EDGE 1 Tx slot				26.87	26.58	26.89	27.50	17.87	17.58	17.89	18.50	17.87	17.58	17.89	18.50	17.87	17.58	17.89	18.50
EDGE 2 Tx slots				24.18	24.07	24.37	25.00	16.18	16.07	16.37	17.00	16.18	16.07	16.37	17.00	16.18	16.07	16.37	17.00
EDGE 3 Tx slots				22.17	21.91	22.11	23.00	17.91	17.65	17.85	18.74	17.91	17.65	17.85	18.74	17.91	17.65	17.85	18.74
EDGE 4 Tx slots				20.95	20.65	20.98	22.00	17.95	17.65	17.98	19.00	17.95	17.65	17.98	19.00	17.95	17.65	17.98	19.00

GSM1900_Ant.13				Burst Average Power (dBm)				Tune-up Limit (dBm)				Frame-Average Power (dBm)				Tune-up Limit (dBm)			
TX Channel				512	661	810		512	661	810		512	661	810		512	661	810	
Frequency (MHz)				1850.2	1880	1909.8		1850.2	1880	1909.8		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot				23.05	23.23	22.98	24.50	14.05	14.23	13.98	15.50	14.05	14.23	13.98	15.50	14.05	14.23	13.98	15.50
GPRS 1 Tx slot				23.20	23.42	23.21	24.50	14.20	14.42	14.21	15.50	14.20	14.42	14.21	15.50	14.20	14.42	14.21	15.50
GPRS 2 Tx slots				20.08	20.14	20.13	21.00	14.08	14.14	14.13	15.00	14.08	14.14	14.13	15.00	14.08	14.14	14.13	15.00
GPRS 3 Tx slots				18.57	18.41	18.67	19.50	14.31	14.15	14.41	15.24	14.31	14.15	14.41	15.24	14.31	14.15	14.41	15.24
GPRS 4 Tx slots				17.10	17.29	17.28	18.50	14.10	14.29	14.28	15.50	14.10	14.29	14.28	15.50	14.10	14.29	14.28	15.50
EDGE 1 Tx slot				23.91	23.81	23.99	24.50	14.91	14.81	14.99	15.50	14.91	14.81	14.99	15.50	14.91	14.81	14.99	15.50
EDGE 2 Tx slots				20.24	20.26	20.46	21.00	14.24	14.26	14.46	15.00	14.24	14.26	14.46	15.00	14.24	14.26	14.46	15.00
EDGE 3 Tx slots				18.30	18.48	18.62	19.50	14.04	14.22	14.36	15.24	14.04	14.22	14.36	15.24	14.04	14.22	14.36	15.24
EDGE 4 Tx slots				16.83	16.88	17.21	18.50	13.83	13.88	14.21	15.50	13.83	13.88	14.21	15.50	13.83	13.88	14.21	15.50

Band				WCDMA II_Ant.13				WCDMA II_Ant.31				WCDMA IV_Ant.13				WCDMA IV_Ant.31			
TX Channel				9262	9600	9938		9262	9600	9938		9262	9600	9938		9262	9600	9938	
Rx Channel				9662	9800	9938		9662	9800	9938		9662	9800	9938		9662	9800	9938	
Frequency (MHz)				1852.4	1880	1907.6		1852.4	1880	1907.6		1852.4	1880	1907.6		1852.4	1880	1907.6	
3GPP Rel 99 AMR 12.2Kbps				13.26	13.29	13.42	14.80	23.04	23.09	23.25	24.20	14.47	14.41	14.51	15.80	23.05	22.99	23.10	24.20
3GPP Rel 99 RMC 12.2Kbps				13.31	13.46	13.45	14.80	23.07	23.28	23.27	24.20	14.52	14.63	14.61	15.80	23.08	23.12	23.11	24.20
3GPP Rel 6 HSDPA Subtest-1				12.13	12.16	12.28	13.80	21.83	21.93	22.08	23.20	13.34	13.43	13.41	14.80	22.02	21.99	22.12	23.20
3GPP Rel 6 HSDPA Subtest-2				12.06	12.10	11.92	13.90	21.86	21.91	21.79	23.20	13.38	13.36	13.41	14.80	22.03	21.99	22.00	23.20
3GPP Rel 6 HSDPA Subtest-3				11.63	11.65	11.75	13.30	21.36	21.40	21.57	22.70	12.92	12.98	13.04	14.30	21.58	21.50	21.84	22.70
3GPP Rel 6 HSDPA Subtest-4				11.49	11.56	11.73	13.30	21.31	21.41	21.54	22.70	12.86	12.86	12.92	14.30	21.49	21.47	21.57	22.70
3GPP Rel 6 DC-HSDPA Subtest-1				12.09	12.15	12.15	13.80	21.67	21.82	22.01	23.20	13.29	13.29	13.22	14.80	21.97	21.93	21.98	23.20
3GPP Rel 6 DC-HSDPA Subtest-2				12.05	12.04	12.00	13.80	21.74	21.76	21.68	23.20	13.32	13.30	13.27	14.80	21.89	21.92	21.91	23.20
3GPP Rel 6 DC-HSDPA Subtest-3				11.60	11.62	11.61	13.30	21.29	21.31	21.52	22.70	12.84	12.83	12.83	14.30	21.46	21.43	21.52	22.70
3GPP Rel 6 DC-HSDPA Subtest-4				11.52	11.49	11.52	13.30	21.25	21.35	21.42	22.70	12.74	12.79	12.81	14.30	21.40	21.39	21.48	22.70
3GPP Rel 6 HSUPA Subtest-1				11.87	11.88	11.73	11.80	21.02	20.89	21.19	21.20	12.58	12.65	12.51	12.80	21.12	21.02	21.10	21.20
3GPP Rel 6 HSUPA Subtest-2				11.56	11.57	11.58	11.80	21.04	20.92	21.15	21.20	12.71	12.78	12.64	12.80	21.11	21.06	21.06	21.20
3GPP Rel 6 HSUPA Subtest-3				12.75	12.70	12.77	12.80	22.09	21.52	22.11	22.20	13.65	13.52	13.59	13.80	22.17	22.08	22.09	22.20
3GPP Rel 6 HSUPA Subtest-4				11.09	11.15	11.23	11.30	20.51	20.47	20.72	21.20	12.16	12.03	12.18	12.30	20.88	20.77	20.86	21.20
3GPP Rel 6 HSUPA Subtest-5				12.56	12.59	12.63	12.80	21.90	21.90	22.10	22.20	13.55	13.69	13.63	13.80	22.10	22.13	22.10	22.20
3GPP Rel 7 eSPA+ (16QAM) Subtest				11.50	11.53	11.55	12.80	20.89	20.81	21.09	22.20	12.51	12.65	12.56	13.80	20.98	20.96	20.95	22.20

Band		WCDMA V_Ant.13				WCDMA V_Ant.41			
TX Channel		4132	4182	4233	Tune-up Link (dBm)	4132	4182	4233	Tune-up Link (dBm)
Rx Channel		4357	4407	4458		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	18.82	18.75	18.87	20.00	22.94	23.01	23.12	24.00
3GPP Rel 99	RMC 12.2Kbps	18.84	18.89	18.88	20.00	22.96	23.14	23.13	24.00
3GPP Rel 6	HSUPA Subtest-1	17.76	17.81	17.87	19.00	21.91	22.04	22.09	23.00
3GPP Rel 6	HSUPA Subtest-2	17.74	17.73	17.86	19.00	21.91	21.97	22.07	23.00
3GPP Rel 6	HSUPA Subtest-3	17.35	17.37	17.45	18.50	21.45	21.50	21.58	22.50
3GPP Rel 6	HSUPA Subtest-4	17.21	17.27	17.32	18.50	21.42	21.44	21.56	22.50
3GPP Rel 6	DC-HSUPA Subtest-1	17.79	17.73	17.80	19.00	21.86	21.94	21.95	23.00
3GPP Rel 6	DC-HSUPA Subtest-2	17.61	17.61	17.60	19.00	21.80	21.85	22.02	23.00
3GPP Rel 6	DC-HSUPA Subtest-3	17.31	17.27	17.27	18.50	21.31	21.37	21.51	22.50
3GPP Rel 6	DC-HSUPA Subtest-4	17.18	17.24	17.19	18.50	21.29	21.32	21.47	22.50
3GPP Rel 6	HSUPA Subtest-1	16.88	16.77	16.89	17.00	20.84	20.99	20.92	21.00
3GPP Rel 6	HSUPA Subtest-2	17.81	17.86	17.85	17.00	20.93	21.02	20.95	21.00
3GPP Rel 6	HSUPA Subtest-3	17.84	17.90	17.98	18.00	21.99	21.82	21.90	22.00
3GPP Rel 6	HSUPA Subtest-4	16.30	16.32	16.40	16.50	20.46	20.32	20.47	20.50
3GPP Rel 6	HSUPA Subtest-5	17.84	17.77	17.88	18.00	21.90	21.93	21.90	22.00
3GPP Rel 7	ISPA+ (16QAM) Subtest-1	16.80	16.70	16.83	18.00	20.77	20.83	20.84	22.00



Reduced Power for DSI 3

Band 2_Ant 13													
RF (MHz)	Modulation	RB Size	RB Offset	Power Line Cn / Freq Cn / Freq Cn	Power Max 18000	Power Max 18000	Power High 18000	Turn-up time (ms)	MPR (dB)				
Channel													
Frequency (MHz)													
20	QPSK	1	0	13.32	13.38	13.37				14.5	0		
20	QPSK	1	48	13.40	13.43	13.38							
20	QPSK	1	96	13.31	13.34	13.35				14.5	0		
20	QPSK	24	0	13.28	13.34	13.27							
20	QPSK	24	48	13.34	13.37	13.34				14.5	0		
20	QPSK	50	0	13.33	13.31	13.29							
20	QPSK	100	0	13.30	13.28	13.28				14.5	0		
20	QPSK	1	0	13.28	13.32	13.27							
20	QPSK	1	48	13.32	13.38	13.31				14.5	0		
20	QPSK	1	96	13.29	13.31	13.28							
20	QPSK	24	0	13.27	13.34	13.29				14.5	0		
20	QPSK	24	48	13.28	13.35	13.31							
20	QPSK	50	0	13.33	13.32	13.32				14.5	0		
20	QPSK	100	0	13.32	13.38	13.28							
20	QPSK	1	0	13.28	13.32	13.27				14.5	0		
20	QPSK	1	48	13.32	13.38	13.31							
20	QPSK	1	96	13.30	13.29	13.29				14.5	0		
20	QPSK	24	0	13.31	13.28	13.32							
20	QPSK	24	48	13.28	13.35	13.31				14.5	0		
20	QPSK	50	0	13.33	13.28	13.30							
20	QPSK	100	0	13.33	13.30	13.30				14.5	0		
20	QPSK	1	0	13.30	13.30	13.25							
Channel													
Frequency (MHz)													
15	QPSK	1	0	13.26	13.37	13.24				14.5	0		
15	QPSK	1	27	13.40	13.40	13.31							
15	QPSK	1	74	13.25	13.27	13.30				14.5	0		
15	QPSK	24	0	13.18	13.18	13.14							
15	QPSK	24	24	13.25	13.30	13.28				14.5	0		
15	QPSK	50	0	13.23	13.21	13.14							
15	QPSK	1	0	13.28	13.28	13.14				14.5	0		
15	QPSK	1	24	13.30	13.24	13.22							
15	QPSK	1	48	13.28	13.18	13.22				14.5	0		
15	QPSK	24	0	13.28	13.30	13.18							
15	QPSK	24	24	13.25	13.30	13.28				14.5	0		
15	QPSK	50	0	13.24	13.28	13.20							
15	QPSK	1	0	13.22	13.30	13.22				14.5	0		
15	QPSK	1	27	13.33	13.25	13.24							
15	QPSK	1	48	13.25	13.25	13.20				14.5	0		
15	QPSK	24	0	13.28	13.21	13.27							
15	QPSK	24	24	13.25	13.31	13.27				14.5	0		
15	QPSK	50	0	13.18	13.24	13.18							
15	QPSK	100	0	13.22	13.24	13.26				14.5	0		
15	QPSK	1	0	13.28	13.24	13.26							
Channel													
Frequency (MHz)													
10	QPSK	1	0	13.32	13.38	13.31				14.5	0		
10	QPSK	1	25	13.35	13.40	13.22							
10	QPSK	1	48	13.31	13.32	13.31				14.5	0		
10	QPSK	24	0	13.12	13.31	13.15							
10	QPSK	24	24	13.32	13.28	13.30				14.5	0		
10	QPSK	50	0	13.25	13.18	13.28							
10	QPSK	1	0	13.33	13.32	13.14				14.5	0		
10	QPSK	1	24	13.28	13.32	13.18							
10	QPSK	1	48	13.30	13.31	13.28				14.5	0		
10	QPSK	24	0	13.18	13.18	13.22							
10	QPSK	24	24	13.28	13.30	13.22				14.5	0		
10	QPSK	50	0	13.25	13.23	13.25							
10	QPSK	100	0	13.28	13.28	13.25				14.5	0		
10	QPSK	1	0	13.32	13.29	13.25							
Channel													
Frequency (MHz)													
3	QPSK	1	0	13.30	13.34	13.34				14.5	0		
3	QPSK	1	8	13.37	13.39	13.34							
3	QPSK	1	16	13.34	13.36	13.34				14.5	0		
3	QPSK	8	0	13.19	13.29	13.22							
3	QPSK	8	4	13.26	13.29	13.24				14.5	0		
3	QPSK	16	0	13.27	13.34	13.14							
3	QPSK	16	8	13.23	13.28	13.25				14.5	0		
3	QPSK	32	0	13.27	13.31	13.27							
3	QPSK	1	0	13.21	13.36	13.17				14.5	0		
3	QPSK	1	16	13.24	13.21	13.25							
3	QPSK	1	32	13.30	13.28	13.25				14.5	0		
3	QPSK	8	0	13.28	13.30	13.12							
3	QPSK	8	16	13.32	13.27	13.24				14.5	0		
3	QPSK	16	0	13.32	13.30	13.21							
3	QPSK	1	0	13.21	13.36	13.12				14.5	0		
3	QPSK	1	16	13.24	13.11	13.21							
3	QPSK	1	32	13.25	13.24	13.24				14.5	0		
3	QPSK	8	0	13.24	13.25	13.22							
3	QPSK	8	16	13.25	13.21	13.21				14.5	0		
3	QPSK	16	0	13.24	13.25	13.25							
3	QPSK	32	0	13.24	13.25	13.25				14.5	0		
3	QPSK	1	0	13.32	13.32	13.30							
Channel													
Frequency (MHz)													
14	QPSK	1	0	13.28	13.29	13.22				14.5	0		
14	QPSK	1	5	13.37	13.42	13.35							
14	QPSK	1	1	13.25	13.22	13.25				14.5	0		
14	QPSK	3	0	13.20	13.21	13.20							
14	QPSK	3	1	13.30	13.30	13.20				14.5	0		
14	QPSK	6	0	13.27	13.16	13.25							
14	QPSK	1	0	13.26	13.26	13.18				14.5	0		
14	QPSK	1	5	13.31	13.33	13.18							
14	QPSK	1	1	13.28	13.26	13.20				14.5	0		
14	QPSK	3	0	13.31	13.32	13.17							
14	QPSK	3	1	13.32	13.24	13.22				14.5	0		
14	QPSK	6	0	13.21	13.31	13.14							
14	QPSK	1	0	13.19	13.25	13.19				14.5	0		
14	QPSK	1	5	13.27	13.28	13.19							
14	QPSK	1	1	13.27	13.19	13.29				14.5	0		
14	QPSK	3	0	13.32	13.31	13.22							
14	QPSK	3	1	13.33	13.15	13.22				14.5	0		
14	QPSK	6	0	13.27	13.23	13.25							



Band 5_Ant 41										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (dBm)	Power High Ch. (dBm)	Power High (dBm)	Turn-on time (dBm)	Metric		
Channel										
Frequency (MHz)				9450	9450	9450				
14	QPSK	1	0	22.85	22.72	22.78	24.5	0		
14	QPSK	1	8	22.85	22.81	22.82				
14	QPSK	1	16	22.78	22.74	22.67				
14	QPSK	1	24	22.74	22.69	22.62				
14	QPSK	2	12	21.32	21.70	21.78	23.5	1		
14	QPSK	25	25	21.68	21.60	21.63				
14	QPSK	50	50	22.02	21.92	21.95				
14	16QAM	1	0	21.77	21.64	21.62				
14	16QAM	1	8	21.66	21.60	21.62				
14	16QAM	1	16	20.95	22.09	22.12	23.5	1		
14	16QAM	1	24	22.02	22.02	22.02				
14	16QAM	25	0	20.74	20.74	20.93				
14	16QAM	25	12	20.74	20.63	20.68	22.5	2		
14	16QAM	25	20	20.63	20.68	20.78				
14	16QAM	25	28	20.68	20.78	20.87				
14	16QAM	50	0	20.69	20.72	20.78				
14	16QAM	50	1	20.63	20.74	20.67				
14	16QAM	50	9	20.63	20.68	20.78	22.5	2		
14	16QAM	50	17	20.68	20.78	20.87				
14	16QAM	50	25	21.73	21.67	21.60				
14	16QAM	50	33	21.67	21.67	21.67				
14	16QAM	50	41	21.67	21.67	21.67				
14	16QAM	50	49	21.62	21.93	21.95	21.5	3		
14	16QAM	50	57	19.95	19.79	19.81				
14	16QAM	50	65	19.82	19.82	19.82				
Channel										
Frequency (MHz)				9450	9450	9450	Turn-on time (dBm)	Metric		
				1.0	1.0	1.0				
14	QPSK	1	0	22.71	22.64	22.78	24.5	0		
14	QPSK	1	8	22.64	22.61	22.62				
14	QPSK	1	16	22.65	22.68	22.78				
14	QPSK	1	24	22.68	22.68	22.78				
14	QPSK	2	12	21.62	21.62	21.62	23.5	1		
14	QPSK	2	20	21.67	21.68	21.68				
14	QPSK	2	28	21.68	21.68	21.68				
14	QPSK	2	36	21.68	21.68	21.68				
14	QPSK	2	44	21.68	21.68	21.68				
14	QPSK	2	52	21.68	21.68	21.68				
14	QPSK	2	60	21.68	21.68	21.68				
14	QPSK	2	68	21.68	21.68	21.68				
14	QPSK	2	76	21.68	21.68	21.68				
14	QPSK	2	84	21.68	21.68	21.68				
14	QPSK	2	92	21.68	21.68	21.68				
14	QPSK	2	100	21.68	21.68	21.68				
14	QPSK	2	108	21.68	21.68	21.68				
14	QPSK	2	116	21.68	21.68	21.68				
14	QPSK	2	124	21.68	21.68	21.68				
14	QPSK	2	132	21.68	21.68	21.68				
14	QPSK	2	140	21.68	21.68	21.68				
14	QPSK	2	148	21.68	21.68	21.68				
14	QPSK	2	156	21.68	21.68	21.68				
14	QPSK	2	164	21.68	21.68	21.68				
14	QPSK	2	172	21.68	21.68	21.68				
14	QPSK	2	180	21.68	21.68	21.68				
14	QPSK	2	188	21.68	21.68	21.68				
14	QPSK	2	196	21.68	21.68	21.68				
14	QPSK	2	204	21.68	21.68	21.68				
14	QPSK	2	212	21.68	21.68	21.68				
14	QPSK	2	220	21.68	21.68	21.68				
14	QPSK	2	228	21.68	21.68	21.68				
14	QPSK	2	236	21.68	21.68	21.68				
14	QPSK	2	244	21.68	21.68	21.68				
14	QPSK	2	252	21.68	21.68	21.68				
14	QPSK	2	260	21.68	21.68	21.68				
14	QPSK	2	268	21.68	21.68	21.68				
14	QPSK	2	276	21.68	21.68	21.68				
14	QPSK	2	284	21.68	21.68	21.68				
14	QPSK	2	292	21.68	21.68	21.68				
14	QPSK	2	300	21.68	21.68	21.68				
14	QPSK	2	308	21.68	21.68	21.68				
14	QPSK	2	316	21.68	21.68	21.68				
14	QPSK	2	324	21.68	21.68	21.68				
14	QPSK	2	332	21.68	21.68	21.68				
14	QPSK	2	340	21.68	21.68	21.68				
14	QPSK	2	348	21.68	21.68	21.68				
14	QPSK	2	356	21.68	21.68	21.68				
14	QPSK	2	364	21.68	21.68	21.68				
14	QPSK	2	372	21.68	21.68	21.68				
14	QPSK	2	380	21.68	21.68	21.68				
14	QPSK	2	388	21.68	21.68	21.68				
14	QPSK	2	396	21.68	21.68	21.68				
14	QPSK	2	404	21.68	21.68	21.68				
14	QPSK	2	412	21.68	21.68	21.68				
14	QPSK	2	420	21.68	21.68	21.68				
14	QPSK	2	428	21.68	21.68	21.68				
14	QPSK	2	436	21.68	21.68	21.68				
14	QPSK	2	444	21.68	21.68	21.68				
14	QPSK	2	452	21.68	21.68	21.68				
14	QPSK	2	460	21.68	21.68	21.68				
14	QPSK	2	468	21.68	21.68	21.68				
14	QPSK	2	476	21.68	21.68	21.68				
14	QPSK	2	484	21.68	21.68	21.68				
14	QPSK	2	492	21.68	21.68	21.68				
14	QPSK	2	500	21.68	21.68	21.68				
14	QPSK	2	508	21.68	21.68	21.68				
14	QPSK	2	516	21.68	21.68	21.68				
14	QPSK	2	524	21.68	21.68	21.68				
14	QPSK	2	532	21.68	21.68	21.68				
14	QPSK	2	540	21.68	21.68	21.68				
14	QPSK	2	548	21.68	21.68	21.68				
14	QPSK	2	556	21.68	21.68	21.68				
14	QPSK	2	564	21.68	21.68	21.68				
14	QPSK	2	572	21.68	21.68	21.68				
14	QPSK	2	580	21.68	21.68	21.68				
14	QPSK	2	588	21.68	21.68	21.68				
14	QPSK	2	596	21.68	21.68	21.68				
14	QPSK	2	604	21.68	21.68	21.68				
14	QPSK	2	612	21.68	21.68	21.68				
14	QPSK	2	620	21.68	21.68	21.68				
14	QPSK	2	628	21.68	21.68	21.68				
14	QPSK	2	636	21.68	21.68	21.68				
14	QPSK	2	644	21.68	21.68	21.68				
14	QPSK	2	652	21.68	21.68	21.68				
14	QPSK	2	660	21.68	21.68	21.68				
14	QPSK	2	668	21.68	21.68	21.68				
14	QPSK	2	676	21.68	21.68	21.68				
14	QPSK	2	684	21.68	21.68	21.68				
14	QPSK	2	692	21.68	21.68	21.68				
14	QPSK	2	700	21.68	21.68	21.68				
14	QPSK	2	708	21.68	21.68	21.68				
14	QPSK	2	716	21.68	21.68	21.68				
14	QPSK	2	724	21.68	21.68	21.68				
14	QPSK	2	732	21.68	21.68	21.68				
14	QPSK	2	740	21.68	21.68	21.68				
14	QPSK	2	748	21.68	21.68	21.68				
14	QPSK	2	756	21.68	21.68	21.68				
14	QPSK	2	764	21.68	21.68	21.68				
14	QPSK	2	772	21.68	21.68	21.68				
14	QPSK	2	780	21.68	21.68	21.68				
14	QPSK	2	788	21.68	21.68	21.68				
14	QPSK	2	796	21.68	21.68	21.68				
14	QPSK	2	804	21.68	21.68	21.68				
14	QPSK	2	812	21.68	21.68	21.68				
14	QPSK	2	820	21.68	21.68	21.68				
14	QPSK	2	828	21.68	21.68	21.68				
14	QPSK	2	836	21.68	21.68	21.68				
14	QPSK	2	844	21.68	21.68	21.68				
14	QPSK	2	852	21.68	21.68	21.68				
14	QPSK	2	860	21.68	21.68	21.68				
14	QPSK	2	868	21.68	21.68	21.68				
14	QPSK	2	876	21.68	21.68	21.68				
14	QPSK	2	884	21.68	21.68	21.68				
14	QPSK	2	892	21.68	21.68	21.68				
14	QPSK	2	900	21.68	21.68	21.68				
14	QPSK	2	908	21.68	21.68	21.68				
14	QPSK	2	916	21.68	21.68	21.68				
14	QPSK	2	924	21.68	21.68	21.68				
14	QPSK	2	932	21.68	21.68	21.68				
14	QPSK	2	940	21.68	21.68	21.68				
14	QPSK	2	948	21.68	21.68	21.68				
14	QPSK	2	956	21.68	21.68	21.68				
14	QPSK	2	964	21.68	21.68	21.68				
14	QPSK	2	972	21.68	21.68	21.68				
14	QPSK	2	980	21.68	21.68	21.68				
14	QPSK	2	988	21.68	21.68	21.68				
14	QPSK									

Band 7_Ant 13														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch 1 (Frac.)	Power Meds Ch 1 (Frac.)	Power High Ch 1 (Frac.)	Turn-up time (ms)	MPR (dB)						
Channel														
Frequency (MHz)														
				20565	21100	21450								
20	QPSK	1	0	10.83	10.86	10.87	12	0						
20	QPSK	1	48	10.91	10.92	10.98								
20	QPSK	1	96	10.87	10.88	10.79								
20	QPSK	20	0	10.84	10.86	10.76								
20	QPSK	24	24	10.85	10.90	10.81	12	0						
20	QPSK	50	50	10.80	10.85	10.75								
20	QPSK	100	0	10.82	10.87	10.73								
20	ISDM	1	0	10.79	10.82	10.76								
20	ISDM	1	0	10.82	10.81	10.72	12	0						
20	ISDM	1	48	10.83	10.81	10.75								
20	ISDM	50	0	10.79	10.82	10.72								
20	ISDM	50	50	10.79	10.81	10.76								
20	ISDM	100	0	10.81	10.82	10.77	12	0						
20	ISDM	1	0	10.84	10.81	10.75								
20	ISDM	1	48	10.84	10.88	10.80								
20	ISDM	1	96	10.82	10.88	10.72								
20	ISDM	50	24	10.78	10.83	10.74	12	0						
20	ISDM	50	50	10.79	10.82	10.79								
20	ISDM	100	0	10.78	10.81	10.70								
20	ISDM	1	0	10.79	10.82	10.79								
Channel														
20565 21100 21475														
Frequency (MHz)														
15	QPSK	1	0	10.85	10.82	10.77	12	0						
15	QPSK	1	37	10.82	10.85	10.82								
15	QPSK	1	74	10.79	10.79	10.76								
15	QPSK	20	0	10.78	10.73	10.78								
15	QPSK	24	24	10.88	10.77	10.84	12	0						
15	QPSK	50	50	10.83	10.86	10.86								
15	ISDM	1	0	10.73	10.72	10.78								
15	ISDM	1	37	10.78	10.76	10.74								
15	ISDM	1	74	10.79	10.73	10.72	12	0						
15	ISDM	20	0	10.79	10.73	10.81								
15	ISDM	20	24	10.79	10.70	10.75								
15	ISDM	50	50	10.71	10.69	10.74								
15	ISDM	75	0	10.74	10.81	10.79	12	0						
15	ISDM	1	0	10.73	10.80	10.74								
15	ISDM	1	37	10.74	10.82	10.77								
15	ISDM	1	74	10.73	10.85	10.77								
15	ISDM	20	0	10.77	10.75	10.80	12	0						
15	ISDM	20	24	10.79	10.81	10.81								
15	ISDM	20	50	10.78	10.78	10.82								
15	ISDM	75	0	10.74	10.78	10.80								
Channel														
20565 21100 21450														
Frequency (MHz)														
10	QPSK	1	0	10.81	10.82	10.80	12	0						
10	QPSK	1	25	10.85	10.86	10.81								
10	QPSK	1	49	10.81	10.79	10.82								
10	QPSK	25	0	10.82	10.83	10.82								
10	QPSK	25	12	10.82	10.83	10.82	12	0						
10	QPSK	25	25	10.78	10.80	10.78								
10	QPSK	50	0	10.78	10.85	10.86								
10	ISDM	1	0	10.75	10.80	10.80								
10	ISDM	1	25	10.71	10.72	10.80	12	0						
10	ISDM	1	49	10.72	10.79	10.75								
10	ISDM	25	0	10.77	10.77	10.78								
10	ISDM	25	12	10.77	10.72	10.78								
10	ISDM	25	25	10.79	10.72	10.74	12	0						
10	ISDM	50	0	10.72	10.71	10.69								
10	ISDM	1	0	10.73	10.67	10.67								
10	ISDM	1	25	10.80	10.78	10.79								
10	ISDM	1	49	10.74	10.71	10.83	12	0						
10	ISDM	25	0	10.79	10.76	10.77								
10	ISDM	25	12	10.82	10.76	10.76								
10	ISDM	25	25	10.74	10.74	10.74								
10	ISDM	50	0	10.80	10.79	10.78	12	0						
10	ISDM	1	0	10.76	10.71	10.76								
10	ISDM	1	24	10.72	10.85	10.84								
10	ISDM	12	0	10.79	10.72	10.81								
10	ISDM	12	7	10.80	10.70	10.78	12	0						
10	ISDM	12	14	10.80	10.70	10.78								
10	ISDM	12	21	10.80	10.70	10.78								
10	ISDM	12	28	10.80	10.79	10.74								
10	ISDM	25	0	10.77	10.71	10.74	12	0						
10	ISDM	25	0	10.77	10.71	10.74								
10	ISDM	25	0	10.77	10.71	10.74								
10	ISDM	25	0	10.77	10.71	10.74								

Band 7_Ant 31												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch 1 (Frac.)	Power Meds Ch 1 (Frac.)	Power High Ch 1 (Frac.)	Turn-up time (ms)	MPR (dB)				
Channel												
Frequency (MHz)												
20565 21100 21350												
20	QPSK	1	0	20.96	20.98	21.01	23.5	0				
20	QPSK	1	48	22.00	22.29	22.23						
20	QPSK	1	96	21.74	21.90	22.22						
20	QPSK	50	0	20.92	20.98	21.18						
20	QPSK	50	24	20.98	21.25	21.19	22.5	1				
20	QPSK	50	50	20.95	21.12	21.09						
20	QPSK	100	0	20.92	21.16	21.07						
20	ISDM	1	0	21.90	21.45	21.01						
20	ISDM	1	48	21.91	20.98	21.45	22.5	1				
20	ISDM	1	96	20.94	20.91	21.25						
20	ISDM	50	0	19.88	19.97	20.98						
20	ISDM	50	24	20.95	19.86	20.95						
20	ISDM	50	50	19.87	19.86	20.94	21.5	2				
20	ISDM	100	0	19.87	19.80	20.94						
20	ISDM	1	0	19.89	20.18	19.85						
20	ISDM	1	48	20.95	20.83	20.28						
20	ISDM	1	96	20.14	19.93	20.53	21.5	2				
20	ISDM	50	0	19.83	19.90	19.86						
20	ISDM	50	24	19.89	19.98	19.17						
20	ISDM	50	50	19.87	19.91	19.92						
20	ISDM	100	0	19.83	19.86	19.25	20.5	3				
20	ISDM	1	0	19.83	19.86	19.25						
20	ISDM	1	48	20.95	20.83	20.28						
20	ISDM	1	96	20.14	19.93	20.53						
Channel												
20565 21100 21502												
Frequency (MHz)												
15	QPSK	1	0	21.97	21.93	21.89	23.5	0				
15	QPSK	1	37	21.95	21.51	21.92						
15	QPSK	1	74	21.54	21.67	21.60	22.5	1				
15	QPSK	50	0	20.92	20.98	21.18						
15	QPSK	50	24	20.98	21.25	21.19						
15	QPSK	50	50	20.95	21.03	20.89						
15	QPSK	100	0	20.92	21.16	21.07	22.5	1				
15	ISDM	1	0	21.90	21.45	21.01						
15	ISDM	1	48	21.91	20.98	21.45						
15	ISDM	1	96	20.94	20.91	21.25						
15	ISDM	50	0	19.88	19.97	20.98	21.5	2				
15	ISDM	50	24	20.95	19.86	20.95						
15	ISDM	50	50	19.87	19.86	20.94						
15	ISDM	100	0	19.87	19.80	20.94						
15	ISDM	1	0	19.89	20.18	19.85	21.5	2				
15	ISDM	1	48	20.95	20.83	20.28						
15	ISDM	1	96	20.14	19.93	20.53						
15	ISDM	50	0	19.83	19.90	19.86						
15	ISDM	50	24	19.89	19.98	19.17	20.5	3				
15	ISDM	50	50	19.87	19.91	19.92						
15	ISDM	100	0	19.83	19.86	19.25						
15	ISDM	1	0	19.83	19.86	19.25						
Channel												
20565 21100 21466												
Frequency (MHz)												
15	QPSK	1	0	21.97	21.93	21.89	23.5	0				
15	QPSK	1	37	21.95	21.51	21.92						
15	QPSK	1	48	21.84	21.50	21.68	22.5	1				
15	QPSK	50	0	20.92	20.98	21.18						
15	QPSK	50	24	20.94	20.94	20.80						
15	QPSK	50	50	20.92	20.86	20.82						
15	QPSK	100	0	20.92	21.07	21.03	22.5	1				
15	ISDM	1	0	21.90	21.45	21.01						
15	ISDM	1	48	21.91	20.98	21.45						
15	ISDM	1	96	20.94	20.91	21.25						
15	ISDM	50	0	19.88	19.97	20.98	21.5	2				
15	ISDM	50	24	20.95	19.86	20.95						
15	ISDM	50	50	19.87	19.86	20.94						
15	ISDM	100	0	19.87	19.80	20.94						
15	ISDM	1	0	19.89	20.18	19.85	21.5	2				
15	ISDM	1	48	20.95	20.83	20.28						
15	ISDM	1	96	20.14	19.93	20.53						
15	ISDM	50	0	19.83	19.90	19.86						
15	ISDM	50	24	19.89	19.98	19.17	20.5	3				
15	ISDM	50	50	19.87	19.91	19.92						
15	ISDM	100	0	19.83	19.86	19.25						
15	ISDM	1	0	19.83	19.86	19.25						
Channel												
20565 21100 21464												
Frequency (MHz)												
15	QPSK	1	0	21.97	21.93	21.89	23.5	0				
15	QPSK	1	37	21.95	21.51	21.92						
15	QPSK	1	74	21.51	21.55	22.05	22.5	1				
15	QPSK	50	0	20.92	20.98	21.18						
15	QPSK	50	24	20.94	20.94	20.80						
15	QPSK	50	50	20.92	20.86	20.82						
15	QPSK	100	0	20.92	21.07	21.03	22.5	1				
15	ISDM	1	0	21.90	21.45	21.01						
15	ISDM	1	48	21.91	20.98	21.45						
15	ISDM	1	96	20.94	20.91	21.25						
15	ISDM	50	0	19.88	19.97	20.98	21.5	2				
15	ISDM	50	24	20.95	19.86	20.95						
15	ISDM	50	50	19.87	19.86	20.94						
15	ISDM	100	0	19.87	19.80	20.94						
15	ISDM	1	0	19.89	20.18	19.85	21.5	2				
15	ISDM	1	48	20.95	20.83	20.28						
15	ISDM	1	96	20.14	19.93	20.53						
15	ISDM	50	0	19.83	19.90	19.86						
15	ISDM	50	24	19.89	19.98	19.17	20.5	3				
15	ISDM	50	50	19.87	19.91	19.92						
15	ISDM	100	0	19.83	19.86	19.25						
15	ISDM	1	0	19.83	19.86	19.25						
Channel												
20578 21100 21474												
Frequency (MHz)												
15	QPSK	1	0	21.97	21.93	21.89	23.5	0				
15	QPSK	1	37	21.95	21.51	21.92						
15	QPSK	1	74	21.51	21.55	22.05	22.5	1				
15	QPSK	50	0	20.92	20.98	21.18						
15	QPSK	50	24	20.94	20.94	20.80						
15	QPSK	50	50	20.92	20.86	20.82						
15	QPSK	100	0	20.92	21.07	21.03	22.5	1				
15	ISDM	1	0	21.90	21.45	21.01						
15	ISDM	1	48	21.91	20.98	21.45						
15	ISDM	1	96	20.94	20.91	21.25						
15	ISDM	50	0	19.88	19.97	20.98	21.5	2				
15	ISDM	50	24	20.95	19.86	20.95						
15	ISDM	50	50	19.87	19.86	20.94						
15	ISDM	100	0	19.87	19.80	20.94						
15	ISDM	1	0	19.89	20.18	19.85	21.5	2				
15	ISDM	1	48	20.95	20.83	20.28						
15	ISDM	1	96	20.14	19.93	20.53						
15	ISDM	50	0	19.83	19.90	19.86						
15	ISDM	50	24	19.89	19.98	19.17	20.5	3				
15	ISDM	50	50	19.87	19.91	19.92						
15	ISDM	100	0	19.83	19.86	19.25						
15	ISDM	1	0	19.83	19.86	19.25						



Band 13_Ant 41									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Loss (dB)	Power Margin (dB)	Power Headroom (dB)	Turn-on (dBm)	Turn-off (dBm)	Margin (dB)
Channel									
Frequency (MHz)									
5	QPSK	1	0	2338	2338				
10	QPSK	1	26	2350					
10	QPSK	1	46	2359					24.5
10	QPSK	25	0	2341					
10	QPSK	25	12	2248					23.5
10	QPSK	25	25	2244					
10	QPSK	25	46	2241					
10	16QAM	1	0	2257					
10	16QAM	1	26	2271					23.5
10	16QAM	1	46	2285					
10	16QAM	25	0	2147					
10	16QAM	25	12	2151					22.5
10	16QAM	25	25	2147					
10	16QAM	25	46	2145					
10	16QAM	25	12	2141					22.5
10	16QAM	1	26	2158					
10	16QAM	1	46	2173					
10	16QAM	25	0	2043					
10	16QAM	25	12	2047					21.5
10	16QAM	25	25	2038					
10	16QAM	25	46	2036					
Channel									
Frequency (MHz)									
5	QPSK	1	0	2358	2358	2358	Turn-on	Turn-off	Margin
5	QPSK	1	26	2355	2345	2345			
10	QPSK	1	12	2350	2333	2333	24.5	0	
5	QPSK	1	24	2354	2345	2347			
5	QPSK	1	46	2247	2244	2249			
5	QPSK	12	7	2247	2248	2247			23.5
5	QPSK	12	13	2242	2242	2250			
5	QPSK	12	19	2245	2252	2252			
5	QPSK	1	25	2353	2371	2254			
5	16QAM	1	12	2250	2248	2238			23.5
5	16QAM	1	24	2254	2250	2242			
5	16QAM	12	0	2147	2150	2151			
5	16QAM	12	10	2138	2142	2141			22.5
5	16QAM	12	15	2140	2145	2142			
5	16QAM	25	0	2143	2146	2140			
5	16QAM	25	10	2145	2149	2147			2
5	16QAM	1	12	2141	2141	2131			22.5
5	16QAM	1	24	2152	2151	2146			
5	16QAM	1	46	2055	2054	2052			
5	16QAM	12	7	2049	2049	2045			21.5
5	16QAM	12	13	2055	2054	2052			
5	16QAM	25	0	2039	2050	2051			

Band 17_Ant 13												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (mW)	Power Middle Ch. 1 (mW)	Power High Ch. 1 (mW)	Turn-up time (ms)	MPR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	21.87	21.71	21.68	22.5	0				
10	QPSK	1	36	21.89	21.70	21.69						
10	QPSK	1	40	21.85	21.89	21.87						
10	QPSK	25	0	21.84	21.89	21.87	22.5	0				
10	QPSK	25	12	21.81	21.71	21.68						
10	QPSK	25	20	21.52	21.62	21.60						
10	QPSK	50	0	21.53	21.63	21.60	22.5	0				
10	QPSK	50	0	21.53	21.63	21.60						
10	QPSK	50	0	21.53	21.63	21.60						
10	16QAM	1	0	21.58	21.64	21.63	22.5	0				
10	16QAM	1	20	21.52	21.69	21.69						
10	16QAM	1	40	21.60	21.65	21.63						
10	16QAM	25	0	21.80	21.63	21.65	22.5	0				
10	16QAM	25	12	21.55	21.67	21.60						
10	16QAM	25	20	21.53	21.65	21.65						
10	16QAM	50	0	21.58	21.62	21.66	22.5	0				
10	16QAM	50	0	21.58	21.62	21.66						
10	16QAM	50	0	21.58	21.62	21.66						
10	16QAM	1	20	21.58	21.63	21.64	22.5	0				
10	16QAM	1	40	21.52	21.70	21.63						
10	16QAM	25	0	20.58	20.60	20.57	21.5	1				
10	16QAM	25	12	20.54	20.71	20.65						
10	16QAM	25	20	20.47	20.59	20.46						
10	16QAM	50	0	20.54	20.63	20.56	21.5	1				
10	16QAM	50	0	20.54	20.63	20.56						
10	16QAM	50	0	20.54	20.63	20.56						
Channel												
Frequency (MHz)												
5	QPSK	1	0	21.62	21.69	21.67	22.5	0				
5	QPSK	1	12	21.70	21.73	21.62						
5	QPSK	1	24	21.68	21.68	21.66						
5	QPSK	12	7	21.84	21.68	21.60	22.5	0				
5	QPSK	12	10	21.57	21.54	21.51						
5	QPSK	20	0	21.53	21.58	21.62						
5	16QAM	1	0	21.54	21.52	21.54	22.5	0				
5	16QAM	1	10	21.84	21.64	21.60						
5	16QAM	1	24	21.81	21.53	21.60						
5	16QAM	12	0	21.51	21.57	21.59	22.5	0				
5	16QAM	12	7	21.65	21.44	21.65						
5	16QAM	12	10	21.84	21.58	21.53						
5	16QAM	20	0	21.54	21.52	21.57	22.5	0				
5	16QAM	20	0	21.67	21.62	21.61						
5	16QAM	1	10	21.58	21.52	21.62						
5	16QAM	1	20	21.67	21.60	21.59	21.5	1				
5	16QAM	12	0	20.54	20.57	20.54						
5	16QAM	12	7	20.65	20.69	20.62						
5	16QAM	12	10	20.55	20.54	20.58	21.5	1				
5	16QAM	12	0	20.54	20.58	20.58						
5	16QAM	12	0	20.54	20.58	20.58						

Band 17_Ant 41												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (mW)	Power Middle Ch. 1 (mW)	Power High Ch. 1 (mW)	Turn-up time (ms)	MPR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.28	23.39	23.43	24.5	0				
10	QPSK	1	20	23.53	23.54	23.44						
10	QPSK	1	40	23.33	23.39	23.40						
10	QPSK	20	0	22.20	22.20	22.20	23.5	1				
10	QPSK	20	10	22.35	22.41	22.33						
10	QPSK	20	20	22.30	22.17	22.19						
10	QPSK	50	0	22.29	22.31	22.22	23.5	1				
10	QPSK	50	0	22.29	22.31	22.22						
10	QPSK	50	0	22.29	22.31	22.22						
10	16QAM	1	0	22.68	22.62	22.56	23.5	1				
10	16QAM	1	20	22.26	22.65	22.61						
10	16QAM	1	40	22.67	22.34	22.25						
10	16QAM	20	0	21.25	21.27	21.19	22.5	2				
10	16QAM	20	10	21.41	21.36	21.40						
10	16QAM	20	20	21.41	21.36	21.10						
10	16QAM	50	0	21.30	21.17	21.21	22.5	2				
10	16QAM	50	0	21.51	21.58	21.65						
10	16QAM	1	20	21.40	21.84	21.20						
10	16QAM	1	40	21.57	21.65	21.47	21.5	3				
10	16QAM	20	0	20.36	20.33	20.36						
10	16QAM	20	10	20.54	20.54	20.53						
10	16QAM	20	20	20.46	20.48	20.38	21.5	3				
10	16QAM	50	0	20.44	20.37	20.39						
10	16QAM	50	0	20.44	20.37	20.39						
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.39	23.21	23.17	24.5	0				
5	QPSK	1	10	23.39	23.26	23.26						
5	QPSK	1	20	22.22	22.25	22.24						
5	QPSK	10	7	22.19	22.27	22.28	23.5	1				
5	QPSK	10	10	22.27	22.22	22.16						
5	QPSK	20	0	22.25	22.19	22.29						
5	16QAM	1	0	22.65	22.59	22.63	23.5	1				
5	16QAM	1	10	22.33	22.70	22.72						
5	16QAM	1	24	22.79	22.34	22.72						
5	16QAM	12	0	21.20	21.22	21.25	22.5	2				
5	16QAM	12	7	21.57	21.57	21.38						
5	16QAM	12	10	21.23	21.17	21.18						
5	16QAM	20	0	21.26	21.18	21.33	22.5	2				
5	16QAM	20	0	21.31	20.98	21.26						
5	16QAM	1	10	21.57	21.58	21.37						
5	16QAM	1	20	21.37	21.22	21.56	21.5	3				
5	16QAM	12	0	20.44	20.42	20.48						
5	16QAM	12	7	20.38	20.49	20.44						
5	16QAM	12	10	20.48	20.41	20.38	21.5	3				
5	16QAM	20	0	20.45	20.31	20.32						
5	16QAM	20	0	20.45	20.31	20.32						

Band 26_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (mW)	Power Middle Ch. 1 (mW)	Power High Ch. 1 (mW)	Turn-up time (ms)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	26.78	26.86	26.63	20.5	0	
15	QPSK	1	37	19.68	19.77	19.68			
15	QPSK	1	74	19.65	19.73	19.65			
15	QPSK	36	0	19.61	19.69	19.69	20.5	0	
15	QPSK	36	20	19.68	19.73	19.61			
15	QPSK	36	30	19.60	19.64	19.58			
15	QPSK	75	0	19.57	19.70	19.63	20.5	0	
15	16QAM	1	0	19.64	19.67	19.62			
15	16QAM	1	37	19.62	19.67	19.63			
15	16QAM	1	74	19.58	19.72	19.59	20.5	0	
15	16QAM	36	0	19.58	19.64	19.63			
15	16QAM	36	20	19.64	19.67	19.59			
15	16QAM	36	30	19.58	19.72	19.53	20.5	0	
15	16QAM	75	0	19.59	19.72	19.62			
15	16QAM	75	0	19.59	19.72	19.62			
15	16QAM	75	0	19.59	19.72		20.5	0	
15	16QAM	75	0	19.59	19.72				
15	16QAM	75	0	19.59	19.72				
Channel									
Frequency (MHz)									
15	QPSK	1	0	19.63	19.59	19.67	20.5	0	
15	QPSK	1	25	19.70	19.67	19.70			
15	QPSK	1	43	19.63	19.67	19.63			
15	QPSK	36	0	19.64	19.63	19.68	20.5	0	
15	QPSK	36	25	19.63	19.63	19.68			
15	QPSK	36	43	19.62	19.68	19.65			
15	16QAM	1	0	19.68	19.65	19.68	20.5	0	
15	16QAM	1	25	19.61	19.61	19.61			
15	16QAM	1	48	19.69	19.63	19.70			
15	16QAM	1	0	19.63	19.59	19.54	20.5	0	
15	16QAM	36	12	19.65	19.62	19.65			
15	16QAM	36	25	19.69	19.68	19.70			
15	16QAM	75	0	19.65	19.70	19.66	20.5	0	
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.68	19.70			
15	16QAM	75	0	19.69	19.				

Band 26_Ant 41											
RF (MHz)	Modulation	RB Size	RB Offset	Power Low (W)	Power Med (W)	Power High (W)	Turn-up (dBm)	MPR (dB)			
Channel										Turn-up (dBm)	
Channel										MPR (dB)	
Frequency (MHz)										Turn-up (dBm)	
15	QPSK	1	0	22.78	22.58	22.58	24	0			
15	QPSK	1	37	22.78	22.78	22.78					
15	QPSK	1	14	22.87	22.81	22.88					
15	QPSK	1	36	21.88	21.82	21.71					
15	QPSK	30	24	21.75	21.75	21.75	23	1			
15	QPSK	30	59	21.57	21.58	21.63					
15	QPSK	30	0	21.67	21.70	21.74					
15	QPSK	30	0	21.69	21.47	22.04					
15	QPSK	1	37	21.62	21.56	22.00	23	1			
15	QPSK	1	34	21.87	21.91	21.73					
15	QPSK	30	1	20.75	20.64	20.69					
15	QPSK	30	30	20.50	20.53	20.72					
15	QPSK	75	0	20.68	20.62	20.77	22	2			
15	QPSK	1	0	20.82	20.88	20.85					
15	QPSK	1	37	20.88	20.87	20.83					
15	QPSK	1	34	20.85	21.00	20.88					
15	QPSK	30	30	19.88	19.88	19.83	21	3			
15	QPSK	30	0	19.87	19.88	19.83					
15	QPSK	75	59	19.79	19.72	19.81					
15	QPSK	75	0	19.77	19.71	19.83					
Channel										Turn-up (dBm)	
Channel										MPR (dB)	
Frequency (MHz)										Turn-up (dBm)	
10	QPSK	1	0	22.78	22.76	22.87	24	0			
10	QPSK	1	36	22.72	22.64	22.81					
10	QPSK	30	59	22.47	22.68	22.84					
10	QPSK	30	0	21.78	21.83	21.82					
10	QPSK	25	12	21.78	21.64	21.78	23	1			
10	QPSK	25	12	21.76	21.68	21.73					
10	QPSK	30	0	21.78	21.68	21.73					
10	QPSK	30	0	21.78	21.68	21.73					
10	QPSK	1	0	22.02	22.22	22.88	23	1			
10	QPSK	1	36	22.02	21.88	22.16					
10	QPSK	1	34	21.84	22.04	21.83					
10	QPSK	1	37	20.77	20.84	20.85					
10	QPSK	12	13	20.75	20.68	20.68	22	2			
10	QPSK	30	0	20.71	20.68	20.68					
10	QPSK	30	25	20.50	20.67	21.02					
10	QPSK	30	37	20.67	20.67	21.03					
10	QPSK	1	34	21.05	21.02	20.93	22	2			
10	QPSK	12	0	19.85	19.81	20.08					
10	QPSK	12	7	19.80	19.82	20.03					
10	QPSK	12	13	19.84	19.79	19.82					
10	QPSK	25	0	19.88	19.78	19.94	21	3			
10	QPSK	25	0	19.85	19.85	19.85					
10	QPSK	25	0	19.85	19.85	19.85					
10	QPSK	25	0	19.85	19.85	19.85					
Channel										Turn-up (dBm)	
Channel										MPR (dB)	
Frequency (MHz)										Turn-up (dBm)	
3	QPSK	1	0	22.78	22.56	22.56	24	0			
3	QPSK	1	36	22.87	22.59	22.83					
3	QPSK	1	14	22.84	22.84	22.84					
3	QPSK	1	36	21.68	21.68	21.71					
3	QPSK	6	7	21.71	21.62	21.69	23	1			
3	QPSK	15	0	21.68	21.54	21.72					
3	QPSK	15	14	21.74	21.64	21.72					
3	QPSK	30	8	21.79	21.63	21.78					
3	QPSK	1	34	21.21	21.19	21.97	23	1			
3	QPSK	1	37	20.84	20.88	21.97					
3	QPSK	15	0	20.85	20.82	20.93					
3	QPSK	15	0	20.84	20.82	20.93					
3	QPSK	1	0	20.71	20.58	20.84	22	2			
3	QPSK	1	36	20.71	20.58	20.84					
3	QPSK	1	34	20.74	20.74	20.85					
3	QPSK	1	37	20.83	20.74	20.85					
3	QPSK	6	0	19.83	19.74	19.85	22	2			
3	QPSK	6	0	19.83	19.74	19.85					
3	QPSK	6	0	19.83	19.74	19.85					
3	QPSK	6	0	19.83	19.74	19.85					
3	QPSK	1	0	19.88	19.71	19.89	21	3			
3	QPSK	1	36	19.88	19.88	19.89					
3	QPSK	15	0	19.85	19.85	19.89					
3	QPSK	15	0	19.85	19.85	19.89					
Channel										Turn-up (dBm)	
Channel										MPR (dB)	
Frequency (MHz)										Turn-up (dBm)	
1.4	QPSK	1	0	22.81	22.73	22.73	24	0			
1.4	QPSK	1	14	22.85	22.78	22.82					
1.4	QPSK	1	3	22.74	22.66	22.69					
1.4	QPSK	2	0	22.65	22.62	22.67					
1.4	QPSK	3	3	22.68	22.68	22.71	23	1			
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71	23	1			
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71	23	1			
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71	23	1			
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71	23	1			
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71	23	1			
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71	23	1			
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71	23	1			
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71	23	1			
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71	23	1			
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71	23	1			
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71	23	1			
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71	23	1			
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71	23	1			
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71	23	1			
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71	23	1			
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71	23	1			
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71	23	1			
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71	23	1			
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71	23	1			
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71	23	1			
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71	23	1			
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68	22.71	23	1			
1.4	QPSK	3	3	22.68	22.68	22.71					
1.4	QPSK	3	3	22.68	22.68						



Reduced Power for DSI 3

Band 38_Ant 13										Band 38_Ant 31																		
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Frac)	Power Media Ch. 1 (Frac)	Power High Ch. 1 (Frac)	Time-up limit (dBm)	MFR (dB)		BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Frac)	Power Media Ch. 1 (Frac)	Power High Ch. 1 (Frac)	Time-up limit (dBm)	MFR (dB)										
Channel										Channel																		
Frequency (MHz)										Frequency (MHz)																		
20	QPSK	1	0	13.03	13.05	13.10	14.4	0		20	QPSK	1	0	22.43	22.45	22.53	22.8	0										
30	QPSK	1	49	13.35	13.37	13.36				30	QPSK	1	49	22.48	22.79	22.77												
20	QPSK	1	99	13.40	13.45	13.88				20	QPSK	1	99	22.67	22.85	22.73												
20	QPSK	50	0	13.17	13.27	13.13	14.4	0		20	QPSK	50	0	21.55	21.68	21.64	22.8	1										
30	QPSK	50	24	13.32	13.34	13.37				30	QPSK	50	24	21.88	21.78	21.77												
20	QPSK	100	0	13.17	13.22	13.18				20	QPSK	100	0	21.87	21.94	21.83												
20	16QAM	1	0	13.27	13.21	13.27	14.4	0		20	16QAM	1	0	21.47	21.54	21.51	22.8	1										
20	16QAM	1	49	13.22	13.18	13.23				20	16QAM	1	49	21.66	21.77	21.73												
20	16QAM	1	99	13.04	12.99	13.05				20	16QAM	1	99	21.85	21.59	21.89												
20	16QAM	50	0	13.18	13.22	13.22	14.4	0		20	16QAM	50	0	20.54	20.83	20.86	21.8	2										
20	16QAM	50	24	13.25	13.15	13.21				20	16QAM	50	24	20.83	20.65	20.75												
20	16QAM	50	50	13.17	13.23	13.21				20	16QAM	50	50	20.89	20.88	20.89												
20	16QAM	100	0	13.30	13.26	13.26	14.4	0		20	16QAM	100	0	20.85	20.95	20.98	20.8	3										
30	16QAM	1	0	13.21	13.20	13.20				30	16QAM	1	0	20.09	20.18	20.20												
20	64QAM	1	49	13.26	13.21	13.22				14.4	0		20	64QAM	1	49					20.35	20.43	20.39					
20	64QAM	1	99	12.85	12.86	12.84	20	64QAM	1				99	20.33	20.31	20.36												
20	64QAM	50	0	13.02	13.06	13.09	14.4	0		20	64QAM	50	0	19.50	19.62	19.69	20.8	3										
20	64QAM	50	24	12.99	12.96	12.94				20	64QAM	50	24	19.59	19.57	19.57												
20	64QAM	50	50	13.19	13.21	13.19				20	64QAM	50	50	19.58	19.63	19.68												
Channel										Channel																		
Frequency (MHz)										Frequency (MHz)																		
15	QPSK	1	0	13.02	12.92	12.95	14.4	0		15	QPSK	1	0	22.30	22.39	22.48	22.8	0										
15	QPSK	1	39	13.26	13.29	13.33				15	QPSK	1	39	22.41	22.81	22.92												
15	QPSK	1	74	13.01	12.96	12.93				15	QPSK	1	74	22.37	22.52	22.57												
15	QPSK	36	0	13.14	13.17	13.25	14.4	0		15	QPSK	36	0	21.31	21.45	21.48	22.8	1										
15	QPSK	36	20	13.30	13.25	13.21				15	QPSK	36	20	21.35	21.48	21.45												
15	QPSK	36	36	13.13	13.10	13.15				15	QPSK	36	36	21.35	21.45	21.47												
15	QPSK	72	0	13.14	13.13	13.26	14.4	0		15	QPSK	72	0	21.48	21.45	21.43	22.8	1										
15	16QAM	1	0	13.12	13.11	13.07				15	16QAM	1	0	21.24	21.30	21.38												
15	16QAM	1	39	13.12	13.11	13.07				14.4	0		15	16QAM	1	39	21.30	21.45	21.56	21.8	2							
15	16QAM	1	74	12.89	12.87	12.97	15	16QAM	1				74	21.43	21.52	21.55												
15	16QAM	36	0	13.09	13.10	13.18	14.4	0		15	16QAM	36	0	20.24	20.36	20.37	21.8	2										
15	16QAM	36	20	13.14	13.11	13.15				15	16QAM	36	20	20.30	20.41	20.45												
15	16QAM	36	36	13.15	13.20	13.15				14.4	0		15	16QAM	36	36	20.33	20.44	20.45	21.8	2							
15	16QAM	72	0	13.13	13.21	13.21	15	16QAM	72				0	20.36	20.45	20.45												
15	64QAM	1	0	13.14	13.15	13.10	14.4	0					15	64QAM	1	0	20.03	20.09	20.12									
15	64QAM	1	39	13.08	13.18	13.18				15	64QAM	1	39	20.10	20.22	20.25												
15	64QAM	1	74	12.86	12.82	12.86	14.4	0		15	64QAM	1	74	20.08	20.15	20.28	20.8	3										
15	64QAM	36	0	12.97	12.95	12.95				15	64QAM	36	0	19.29	19.35	19.45												
15	64QAM	36	20	12.94	12.94	12.94				14.4	0		15	64QAM	36	20	19.33	19.42	19.41	20.8	3							
15	64QAM	36	36	13.13	13.15	13.11	14.4	0					15	64QAM	36	36	19.31	19.44	19.45									
15	64QAM	72	0	13.12	13.14	13.16							14.4	0		15	64QAM	72	0					19.31	19.38	19.44		
Channel										Channel																		
Frequency (MHz)										Frequency (MHz)																		
10	QPSK	1	0	12.98	12.94	12.92	14.4	0		10	QPSK	1	0	22.33	22.52	22.44	22.8	0										
10	QPSK	1	26	12.94	12.96	12.98				10	QPSK	1	26	22.43	22.56	22.58												
10	QPSK	1	49	12.90	12.95	13.00				10	QPSK	1	49	22.43	22.55	22.59												
10	QPSK	25	0	13.16	13.21	13.15	14.4	0		10	QPSK	25	0	21.53	21.45	21.53	22.8	1										
10	QPSK	25	13	13.08	13.31	13.28				10	QPSK	25	13	21.38	21.47	21.52												
10	QPSK	25	25	13.13	13.10	13.14				10	QPSK	25	25	21.38	21.45	21.57												
10	QPSK	50	0	13.03	13.05	13.09	14.4	0		10	QPSK	50	0	21.42	21.51	21.52	21.8	2										
10	16QAM	1	0	13.17	13.14	13.09				10	16QAM	1	0	21.28	21.46	21.50												
10	16QAM	1	25	13.05	13.17	13.07				14.4	0		10	16QAM	1	25	21.43	21.48	21.52	22.8	1							
10	16QAM	1	49	12.86	12.86	12.87	10	16QAM	1				49	21.37	21.52	21.81												
10	16QAM	25	0	13.18	13.20	13.20	14.4	0		10	16QAM	25	0	20.31	20.87	20.92	21.8	2										
10	16QAM	25	13	13.09	13.12	13.07				10	16QAM	25	13	20.34	20.51	20.55												
10	16QAM	50	0	13.17	13.23	13.23	14.4	0		10	16QAM	50	0	20.59	20.84	20.98				21.8	2							
10	16QAM	50	24	13.19	13.09	13.15				10	16QAM	50	24	20.78	20.78	20.78												
10	16QAM	50	50	13.07	13.19	13.12				14.4	0		10	16QAM	50	50	20.84	20.84	20.84	21.8	2							
10	16QAM	100	0	13.30	13.26	13.26	10	16QAM	100				0	20.85	20.95	20.98												
10	64QAM	1	49	13.05	13.00	13.08	14.4	0					10	64QAM	1	49	19.34	19.51	19.54									
10	64QAM	25	0	13.07	13.05	13.07				10	64QAM	25	0	19.35	19.49	19.55												
10	64QAM	25	13	13.17	13.13	13.18	14.4	0		10	64QAM	25	13	19.38	19.48	19.48	20.8	3										
10	64QAM	25	25	13.17	13.13	13.18				10	64QAM	25	25	19.38	19.48	19.48												
10	64QAM	50	0	13.21	13.18	13.12				10	64QAM	50	0	19.33	19.44	19.45												
Channel										Channel																		
Frequency (MHz)										Frequency (MHz)																		
5	QPSK	1	0	13.06	12.94	13.03	14.4	0		5	QPSK	1	0	22.27	22.88	22.58	22.8	0										
5	QPSK	1	13	13.26	13.28	13.29				5	QPSK	1	13	22.37	22.92	22.72												
5	QPSK	1	24	13.06	12.97	13.04				5	QPSK	1	24	22.28	22.93	22.63												
5	QPSK	12	0	13.22	13.25	13.28	14.4	0		5	QPSK	12	0	21.31	21.51	21.63	22.8	1										
5	QPSK	12	13	13.30	13.29	13.28				5	QPSK	12	13	21.48	21.48	21.61												
5	QPSK	12	24	13.00	13.05	13.15				5	QPSK	12	24	21.38	21.46	21.51												
5	QPSK	25	0	13.28	13.30	13.34	14.4	0		5	QPSK	25	0	21.34	21.42	21.56	22.8	1										
5	QPSK	25	13	13.17	13.31	13.31				5	QPSK	25	13	21.51	21.51	21.51												
5	QPSK	25	24	13.15	13.17	13.17				5	QPSK	25	24	21.45	21.50	21.58												
5	QPSK	50	0	13.07	13.10	13.13	14.4	0		5	QPSK	50	0	21.34	21.44	21.49	22.8	1										
5	QPSK	50	12	13.16	13.10	13.12				5	QPSK	50	12	20.78	20.78	20.78												
5	QPSK	50	24	13.08	13.14	13.07				5	QPSK	50	24	20.79	20.88	20.88												
5	QPSK	100	0	13.32	13.28	13.32	14.4	0		5	QPSK	100	0	20.85	20.95	20.98	21.8	2										
5	QPSK	100	13	13.15	13.19	13.20				5	QPSK	100	13	20.79	20.84	20.84												
5	QPSK	100	24	13.13	13.10	13.14				5	QPSK	100	24	20.79	20.84	20.84												
5	QPSK	100	50	13.15	13.21	13.22	14.4	0		5	QPSK	100	50	20.84	20.84	20.84	21.8	2										
5	QPSK	100	75	13.15	13.19	13.19				5	QPSK	100	75	20.84	20.84	20.84												
5	QPSK	100	100	13.15	13.19	13.19				5	QPSK	100	100	20.84	20.84	20.84												
5	QPSK	100	125	13.15	13.19	13.19	14.4	0		5	QPSK	100	125	13.15	13.19	13.19	20.8	3										
5	QPSK	100	150	13.15	13.19	13.19				5	QPSK	100	150	13.15	13.19	13.19												
5	QPSK	100	175	13.15	13.19	13.19				5	QPSK	100	175	13.15	13.19	13.19												
5	QPSK																											



Reduced Power for DSI 3

Band 41_Ant 13											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Frac)	Power Low Middle Ch. 1 (Frac)	Power High Middle Ch. 1 (Frac)	Power High Ch. 1 (Frac)	Time-up time (dBm)	MPE (dB)		
Channel											
Frequency (MHz)											
20	QPSK	1	0	12.07	12.08	12.08	12.08	13.00	14.4	0	
20	QPSK	1	48	12.26	12.29	12.34	12.34	12.28			
20	QPSK	1	96	12.45	12.52	12.58	12.58	12.50			
20	QPSK	50	0	12.12	12.07	12.20	12.08	12.12			
20	QPSK	50	24	12.23	12.20	12.22	12.15	12.18	14.4	0	
20	QPSK	50	48	12.36	12.32	12.35	12.32	12.31			
20	QPSK	100	0	12.14	12.08	12.22	12.12	12.07			
20	16QAM	1	0	12.15	12.08	12.18	12.17	12.14			
20	16QAM	1	48	12.10	12.14	12.15	12.24	12.09	14.4	0	
20	16QAM	1	96	12.00	12.14	12.15	12.24	12.05			
20	16QAM	50	0	12.07	12.10	12.27	12.22	12.12			
20	16QAM	50	24	12.00	12.00	12.21	12.05	12.07			
20	16QAM	100	0	12.08	12.10	12.27	12.22	12.10	14.4	0	
20	16QAM	50	50	12.48	12.10	12.07	12.07	12.10			
20	16QAM	100	0	12.10	12.10	12.16	12.16	12.11			
20	16QAM	1	0	12.18	12.10	12.18	12.10	12.11			
20	16QAM	1	48	12.08	12.12	12.16	12.22	12.10	14.4	0	
20	16QAM	1	96	12.70	12.15	12.16	12.24	12.77			
20	16QAM	50	0	12.88	12.09	12.88	12.22	12.88			
20	16QAM	50	24	12.77	12.74	12.84	12.42	12.86			
20	16QAM	50	50	12.96	12.53	12.09	12.02	12.06	14.4	0	
20	16QAM	100	0	12.10	12.07	12.17	12.07	12.10			
Channel											
Frequency (MHz)											
15	QPSK	1	0	12.85	12.84	12.86	12.84	12.91	14.4	0	
15	QPSK	1	36	12.21	12.14	12.15	12.22	12.13			
15	QPSK	1	74	12.85	12.86	12.89	12.91	12.94			
15	QPSK	36	0	12.99	12.92	12.11	12.92	12.98			
15	QPSK	36	20	12.12	12.15	12.21	12.15	12.15	14.4	0	
15	QPSK	36	36	12.10	12.06	12.14	12.03	12.09			
15	QPSK	75	0	12.02	12.01	12.00	12.07	12.11			
15	16QAM	1	0	12.02	12.09	12.14	12.04	12.02			
15	16QAM	1	36	12.00	12.02	12.01	12.07	12.00	14.4	0	
15	16QAM	1	74	12.86	12.78	12.75	12.77	12.78			
15	16QAM	36	0	12.08	12.08	12.08	12.03	12.04			
15	16QAM	36	20	12.08	12.02	12.02	12.05	12.05			
15	16QAM	36	36	12.94	12.92	12.85	12.95	12.86	14.4	0	
15	16QAM	75	0	12.98	12.00	12.01	12.01	12.98			
15	16QAM	1	0	12.10	12.05	12.16	12.04	12.05			
15	16QAM	1	36	12.07	12.04	12.05	12.02	12.02			
15	16QAM	1	74	12.72	12.74	12.75	12.77	12.77	14.4	0	
15	16QAM	36	0	12.80	12.81	12.80	12.71	12.83			
15	16QAM	36	20	12.71	12.69	12.68	12.68	12.68			
15	16QAM	36	36	12.05	12.86	12.81	12.86	12.86			
15	16QAM	75	0	12.04	12.07	12.03	12.01	12.07	14.4	0	
Channel											
Frequency (MHz)											
10	QPSK	1	0	12.85	12.85	12.86	12.86	12.84	14.4	0	
10	QPSK	1	20	12.50	12.14	12.25	12.16	12.26			
10	QPSK	1	48	12.82	12.88	12.92	12.85	12.84			
10	QPSK	25	0	12.10	12.09	12.00	12.02	12.04			
10	QPSK	25	0	12.10	12.17	12.17	12.18	12.15	14.4	0	
10	QPSK	25	20	12.09	12.15	12.03	12.12	12.14			
10	QPSK	50	0	12.12	12.02	12.10	12.05	12.10			
10	16QAM	1	0	12.08	12.04	12.14	12.05	12.14			
10	16QAM	1	20	12.05	12.08	12.05	12.04	12.07	14.4	0	
10	16QAM	1	48	12.99	12.98	12.96	12.91	12.91			
10	16QAM	50	0	12.99	12.04	12.03	12.06	12.98			
10	16QAM	25	12	12.03	12.07	12.08	12.05	12.05			
10	16QAM	25	20	12.87	12.80	12.80	12.84	12.80	14.4	0	
10	16QAM	50	0	12.08	12.07	12.03	12.04	12.07			
10	16QAM	1	0	12.09	12.13	12.15	12.09	12.16			
10	16QAM	1	20	12.95	12.54	12.02	12.02	12.97			
10	16QAM	1	48	12.87	12.77	12.70	12.78	12.70	14.4	0	
10	16QAM	25	0	12.82	12.78	12.82	12.84	12.78			
10	16QAM	25	12	12.76	12.78	12.87	12.74	12.73			
10	16QAM	25	20	12.88	12.83	12.81	12.82	12.83			
10	16QAM	50	0	12.09	12.09	12.07	12.04	12.07	14.4	0	
Channel											
Frequency (MHz)											
5	QPSK	1	0	12.87	12.84	12.92	12.88	12.92	14.4	0	
5	QPSK	1	12	12.15	12.25	12.20	12.18	12.13			
5	QPSK	1	24	12.92	12.86	12.82	12.84	12.81			
5	QPSK	12	0	12.07	12.04	12.11	12.06	12.09			
5	QPSK	12	0	12.11	12.19	12.15	12.11	12.18	14.4	0	
5	QPSK	12	12	12.03	12.14	12.07	12.11	12.14			
5	QPSK	25	0	12.11	12.01	12.13	12.02	12.03			
5	16QAM	1	0	12.13	12.12	12.08	12.13	12.04			
5	16QAM	1	12	12.98	12.89	12.03	12.06	12.99	14.4	0	
5	16QAM	1	24	12.91	12.86	12.96	12.95	12.87			
5	16QAM	12	0	12.98	12.99	12.94	12.98	12.96			
5	16QAM	12	7	12.91	12.89	12.87	12.89	12.90			
5	16QAM	25	0	12.05	12.03	12.01	12.06	12.06	14.4	0	
5	16QAM	25	12	12.05	12.03	12.09	12.05	12.01			
5	16QAM	1	0	12.14	12.07	12.13	12.05	12.06			
5	16QAM	1	12	12.95	12.90	12.90	12.96	12.95			
5	16QAM	1	24	12.75	12.88	12.85	12.78	12.73	14.4	0	
5	16QAM	12	0	12.79	12.76	12.79	12.79	12.80			
5	16QAM	12	7	12.71	12.75	12.76	12.87	12.71			
5	16QAM	12	13	12.87	12.86	12.89	12.84	12.84			

Band 41_Ant 31											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Frac)	Power Low Middle Ch. 1 (Frac)	Power High Middle Ch. 1 (Frac)	Power High Ch. 1 (Frac)	Time-up time (dBm)	MPE (dB)		
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.26	22.22	22.32	22.32	22.43	22.8	0	
20	QPSK	1	48	22.37	22.44	22.83	22.71	22.75			
20	QPSK	1	96	22.25	22.43	22.97	22.87	22.84			
20	QPSK	50	0	21.28	21.39	21.68	21.68	21.68			
20	QPSK	50	24	21.45	21.45	21.75	21.67	21.71	22.8	1	
20	QPSK	50	48	21.43	21.38	21.64	21.64	21.64			
20	QPSK	100	0	21.33	21.33	21.72	21.67	21.69			
20	16QAM	1	0	21.20	21.28	21.49	21.58	21.58			
20	16QAM	1	48	21.40	21.47	21.82	21.78	21.73	22.8	2	
20	16QAM	50	0	20.25	20.31	20.57	20.65	20.72			
20	16QAM	50	24	20.41	20.37	20.67	20.64	20.64			
20	16QAM	50	48	20.41	20.37	20.65	20.74	20.76			
20	16QAM	100	0	20.31	20.35	20.63	20.65	20.72	21.8	2	
20	16QAM	100	24	20.39	20.39	20.71	20.68	20.72			
20	16QAM	1	48	20.13	20.13	20.37	20.42	20.44			
20	16QAM	1	96	19.94	20.07	20.35	20.37	20.38			
20	16QAM	50	0	19.94	20.07	20.35	20.37	20.38	20.8	3	
20	16QAM	50	24	19.91	19.98	20.08	20.07	20.05			
20	16QAM	50	48	19.94	19.93	20.08	20.07	20.05			
20	16QAM	100	0	19.79	19.92	19.97	19.95	19.98			
Channel											
Frequency (MHz)											
16	QPSK	1	0	22.02	22.07	22.29	22.29	22.43	22.8	0	
16	QPSK	1	37	22.12	22.08	22.43	22.53	22.61			
16	QPSK	1	74	22.09	22.16	22.53	22.63	22.66			
16	QPSK	36	0	20.93	21.01	21.31	21.41	21.45			
16	QPSK	36	25	21.02	21.03	21.31	21.41	21.45	22.8	1	
16	QPSK	36	50	21.09	21.03	21.37	21.56	21.45			
16	QPSK	73	0	21.11	21.05	21.39	21.49	21.42			
16	QPSK	73	25	21.16	21.01	21.31	21.49	21.42			
16	16QAM	1	37	21.14	21.08	21.46	21.49	21.47	22.8	1	
16	16QAM	1	74	21.11	21.14	21.36	21.51	21.46			
16	16QAM	36	0	20.95	20.96	21.36	21.46	21.45			
16	16QAM	36	25	21.07	21.06	21.38	21.49	21.45			
16	16QAM	73	0	20.84	20.80	20.59	20.59	20.59	21.8	2	
16	16QAM	73	25	20.91	20.88	20.59	20.59	20.59			
16	16QAM	1	0	19.81	19.87	20.01	20.08	20.19			
16	16QAM	1	37	19.85	19.86	20.01	20.08	20.27			
16	16QAM	1	74	19.83	19.82	20.16	20.26	20.21	20.8	3	
16	16QAM	36	0	18.90	19.00	19.36	19.39	19.34			
16	16QAM	36	25	19.09	19.04	19.36	19.39	19.34			
16	16QAM	36	50	19.03	19.02	19.31	19.47	19.41			
16	16QAM	73	0	19.07	19.09	19.31	19.46	19.40	20.8	3	
16	16QAM	73	25	19.10	19.09	19.31	19.46	19.40			
16	16QAM	1	0	18.90	18.96	19.36	19.41	19.36			
16	16QAM	1	37	18.94	18.96	19.36	19.41	19.36			
Channel											
Frequency (MHz)											
16	QPSK	1	0	22.05	22.03	22.29	22.29	22.45	22.8	0	
16	QPSK	1	24	22.17	22.09	22.69	22.61	22.68			
16	QPSK	1	49	22.11	22.11	22.46	22.53	22.59			
16	QPSK	25	0	21.06	21.06	21.42	21.57	21.57			
16	QPSK	25	12	21.01	21.01	21.41	21.58	21.59	22.8	1	
16	QPSK	25	24	21.11	21.02	21.41	21.58	21.59			
16	QPSK	50	0	21.09	21.09	21.42	21.57	21.57			
16	16QAM	1	0	21.03	21.10	21.37	21.52	21.46			
16	16QAM	1	24	21.07	21.10	21.39	21.54	21.49	22.8	1	
16	16QAM	1	49	21.08	21.14	21.47	21.53	21.49			
16	16QAM	25	0	20.05	20.06	20.41	20.53	20.47			
16	16QAM	25	12	20.05	20.11	20.41	20.57	20.51			
16	16QAM	25	24	20.14	20.05	20.37	20.59	20.59	21.8	2	
16	16QAM	50	0	20.00	20.09	20.36	20.53	20.53			
16	16QAM	50	12	20.09	20.09	20.36	20.53	20.53			
16	16QAM	50	24	20.09	20.04	20.36	20.53	20.53			
16	16QAM	1	24	19.83	19.83	20.15	20.26	20.23	21.8	2	
16	16QAM	1	49	19.87	19.83	20.15	20.26	20.23			
16	16QAM	1	74	19.04	19.10	19.38	19.50	19.51			
16	16QAM	25	12	19.12	19.03	19.42	19.59	19.51			
16	16QAM	25	24	19.08	19.07	19.41	19.59	19.51	20.8	3	
16	16QAM	50	0	18.97	19.04	19.37	19.55	19.51			
16	16QAM	50	12	18.97	19.04	19.37	19.55	19.51			
16	16QAM	50	24	18.97	19.04	19.37	19.55	19.51			
Channel											
Frequency (MHz)											
8	QPSK	1	0	22.07	22.03	22.29	22.29	22.54	22.8	0	
8	QPSK	1	24	22.11	22.11	22.46	22.53	22.59			
8	QPSK	1	49	22.11	22.11	22.46	22.55	22.52			
8	QPSK	12	0	21.01	21.01	21.41	21.49	21.58			
8	QPSK	12	6	21.03	21.08	21.41	21.49	21.58	22.8	1	
8	QPSK	12	18	21.05	21.08	21.36	21.50	21.51			
8	QPSK	26	0	21.09	21.14	21.38	21.54	21.49			
8	QPSK	26	12	21.11	21.11	21.43	21.49	21.51			
8	16QAM	1	24	21.09	21.13	21.41	21.49	21.47	22.8	1	
8	16QAM	1	49	21.05	21.13	21.41	21.49	21.47			
8	16QAM	12	0	20.03	20.03	20.37	20.50	20.48			
8	16QAM	12	6	20.00	20.06	20.37	20.54	20.44			
8	16QAM	26	0	20.09	20.01	20.35	20.54	20.44	21.8	2	
8	16QAM	26	12	20.09	20.06	20.37	20.54	20.44			
8	16QAM	1	0	19.82	19.94	20.16	20.26	20.27			
8	16QAM	1	24	19.88	19.91	20.26	20.36	20.31			
8	16QAM	1	24	19.87	19.88	20.14	20.26	20.26	20.8	3	
8	16QAM	1	49	19.87	19.88	20.14	20.26	20.26			
8	16QAM	12	0	19.00	19.00	19.33	19.50	19.49			
8	16QAM	12	18	19.06	19.08	19.35	19.49	19.43			
8	16QAM	12	18	19.04	19.06	19.35	19.49	19.43	20.8	3	
8	16QAM	12	18	19.06	19.08	19.35	19.49	19.43			
8	16QAM	12	18	19.06	19.08	19.35	19.49	19.43			
8	16QAM	12	18	19.06	19.08	19.35	19.49	19.43			



Reduced Power for DSI 4

GSM850_Ant 13	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.6		824.2	836.4	848.6	
GSM 1 Tx slot	32.32	32.14	32.36	33.50	23.32	23.14	23.36	24.50
GPRS 1 Tx slot	32.37	32.19	32.38	33.50	23.37	23.19	23.38	24.50
GPRS 2 Tx slots	30.64	30.67	30.86	31.50	24.64	24.67	24.66	25.50
GPRS 3 Tx slots	28.81	28.51	28.63	29.50	24.55	24.25	24.57	25.24
GPRS 4 Tx slots	27.17	27.12	27.26	28.00	24.17	24.12	24.26	25.00
EDGE 1 Tx slot	26.87	26.58	26.89	27.50	17.87	17.58	17.89	18.50
EDGE 2 Tx slots	24.71	24.55	24.78	25.50	18.71	18.55	18.78	19.50
EDGE 3 Tx slots	22.60	22.35	22.61	23.50	18.34	18.09	18.35	19.24
EDGE 4 Tx slots	20.95	20.65	20.98	22.00	17.95	17.65	17.98	19.00

GSM1900_Ant 13	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	28.95	28.97	29.16	30.50	19.95	19.97	20.16	21.50
GPRS 1 Tx slot	28.93	28.94	29.14	30.50	19.93	19.94	20.14	21.50
GPRS 2 Tx slots	27.20	27.26	27.25	28.50	21.20	21.26	21.25	22.50
GPRS 3 Tx slots	25.04	25.01	25.17	26.50	20.78	20.75	20.91	22.24
GPRS 4 Tx slots	23.55	23.45	23.67	25.00	20.55	20.45	20.67	22.00
EDGE 1 Tx slot	25.73	25.64	25.92	26.50	16.73	16.64	16.92	17.50
EDGE 2 Tx slots	23.65	23.66	23.94	24.50	17.65	17.66	17.94	18.50
EDGE 3 Tx slots	21.24	21.33	21.53	22.50	16.98	17.07	17.27	18.24
EDGE 4 Tx slots	19.26	19.26	19.66	21.00	16.26	16.26	16.66	18.00

Band	WCDMA II_Ant 13			Tune-up Limit (dBm)	WCDMA IV_Ant 13			Tune-up Limit (dBm)
	9262	8400	9638		1312	1413	1513	
Tx Channel	9662	8800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps	22.38	22.39	22.50	23.80	22.57	22.55	22.59	23.80
3GPP Rel 99 RMC 12.2Kbps	22.39	22.54	22.51	23.80	22.58	22.65	22.64	23.80
3GPP Rel 6 HSDPA Subtest-1	21.13	21.20	21.37	22.80	21.48	21.44	21.52	22.80
3GPP Rel 6 HSDPA Subtest-2	21.13	21.17	20.97	22.80	21.47	21.45	21.49	22.80
3GPP Rel 6 HSDPA Subtest-3	20.67	20.70	20.90	22.30	20.98	20.98	21.04	22.30
3GPP Rel 6 HSDPA Subtest-4	20.62	20.68	20.88	22.30	20.98	20.96	21.00	22.30
3GPP Rel 8 DC-HSDPA Subtest-1	21.02	21.12	21.21	22.80	21.36	21.34	21.42	22.80
3GPP Rel 8 DC-HSDPA Subtest-2	21.04	21.01	20.88	22.80	21.35	21.33	21.35	22.80
3GPP Rel 8 DC-HSDPA Subtest-3	20.56	20.55	20.82	22.30	20.82	20.91	20.88	22.30
3GPP Rel 8 DC-HSDPA Subtest-4	20.47	20.62	20.74	22.30	20.84	20.90	20.88	22.30
3GPP Rel 6 HSUPA Subtest-1	20.71	20.72	20.78	20.80	20.69	20.80	20.66	20.80
3GPP Rel 6 HSUPA Subtest-2	20.70	20.69	20.76	20.80	20.72	20.79	20.68	20.80
3GPP Rel 6 HSUPA Subtest-3	21.77	21.76	21.80	21.80	21.70	21.61	21.71	21.80
3GPP Rel 6 HSUPA Subtest-4	20.22	20.21	20.23	20.30	20.21	20.15	20.23	20.30
3GPP Rel 6 HSUPA Subtest-5	21.70	21.60	21.70	21.80	21.70	21.72	21.70	21.80
3GPP Rel 7 HSPA+ (16QAM) Subtest	20.58	20.61	20.62	21.80	20.61	20.69	20.60	21.80

Band	WCDMA V_Ant 13			Tune-up Limit (dBm)
	4132	4152	4233	
Tx Channel	4357	4407	4458	
Frequency (MHz)	826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	22.86	22.89	23.01	24.00
3GPP Rel 99 RMC 12.2Kbps	22.88	23.04	23.02	24.00
3GPP Rel 6 HSDPA Subtest-1	21.84	21.89	21.99	23.00
3GPP Rel 6 HSDPA Subtest-2	21.83	21.86	21.98	23.00
3GPP Rel 6 HSDPA Subtest-3	21.35	21.38	21.53	22.50
3GPP Rel 6 HSDPA Subtest-4	21.32	21.35	21.43	22.50
3GPP Rel 8 DC-HSDPA Subtest-1	21.78	21.82	21.83	23.00
3GPP Rel 8 DC-HSDPA Subtest-2	21.77	21.78	21.83	23.00
3GPP Rel 8 DC-HSDPA Subtest-3	21.19	21.25	21.41	22.50
3GPP Rel 8 DC-HSDPA Subtest-4	21.22	21.30	21.38	22.50
3GPP Rel 6 HSUPA Subtest-1	20.90	20.90	21.00	21.00
3GPP Rel 6 HSUPA Subtest-2	20.94	20.90	20.98	21.00
3GPP Rel 6 HSUPA Subtest-3	21.92	21.96	21.98	22.00
3GPP Rel 6 HSUPA Subtest-4	20.44	20.42	20.49	20.50
3GPP Rel 6 HSUPA Subtest-5	21.90	21.80	21.90	22.00
3GPP Rel 7 HSPA+ (16QAM) Subtest	20.80	20.79	20.84	22.00

Band 2_Ant 13												
RF (MHz)	Modulation	RB Size	RB Offset	Power Line C1 / Freq. Ch1	Power Line C2 / Freq. Ch2	Power High C1 / Freq. Ch1	Power High C2 / Freq. Ch2	Turn-up (dB)	MPR (dB)			
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.36	22.37	22.41		23.5	0			
20	QPSK	1	48	22.44	22.45	22.52						
20	QPSK	1	96	22.59	22.63	22.61						
20	QPSK	50	0	21.44	21.48	21.57		22.5	1			
20	QPSK	50	24	21.53	21.49	21.52						
20	QPSK	50	50	21.59	21.69	21.69		21.5	2			
20	QPSK	100	0	21.62	21.50	21.88						
20	QPSK	50	0	20.47	20.34	20.70		21.5	2			
20	QPSK	50	24	20.50	20.50	20.60						
20	QPSK	50	50	20.57	20.58	20.65						
20	QPSK	100	0	20.52	20.53	20.68		21.5	2			
20	QPSK	1	0	20.55	20.52	20.63		21.5	2			
20	QPSK	50	0	19.52	19.53	19.73		20.5	3			
20	QPSK	50	24	19.55	19.56	19.67						
20	QPSK	50	50	19.51	19.52	19.68						
20	QPSK	100	0	19.30	19.29	19.67						
Channel												
Frequency (MHz)												
16	QPSK	1	0	22.16	22.17	22.48		23.5	0			
16	QPSK	1	47	22.47	22.52	22.51						
16	QPSK	1	94	22.47	22.52	22.49						
16	QPSK	50	0	21.45	21.38	21.64		22.5	1			
16	QPSK	50	24	21.43	21.39	21.69						
16	QPSK	50	50	21.37	21.44	21.68		21.5	2			
16	QPSK	100	0	21.38	21.38	21.71						
16	QPSK	1	0	21.23	21.40	21.47		22.5	1			
16	QPSK	1	47	21.37	21.44	21.61						
16	QPSK	1	94	21.45	21.68	21.61						
16	QPSK	50	0	20.59	20.55	20.79		21.5	2			
16	QPSK	50	24	20.57	20.57	20.74						
16	QPSK	50	50	20.52	20.55	20.64						
16	QPSK	100	0	20.49	20.59	20.70						
16	QPSK	1	0	20.58	20.60	20.80		21.5	2			
16	QPSK	1	47	20.62	20.68	20.71						
16	QPSK	50	0	19.43	19.49	19.53		20.5	3			
16	QPSK	50	24	19.35	19.32	19.72						
16	QPSK	50	50	19.40	19.37	19.71						
16	QPSK	100	0	19.30	19.30	19.70						
16	QPSK	1	0	19.37	19.32	19.63						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.53	22.57	22.54		23.5	0			
10	QPSK	1	45	22.41	22.35	22.53						
10	QPSK	1	90	22.36	22.52	22.48						
10	QPSK	50	0	21.37	21.34	21.76		22.5	1			
10	QPSK	50	24	21.47	21.52	21.73						
10	QPSK	50	50	21.44	21.47	21.78						
10	QPSK	100	0	21.47	21.41	21.78						
10	QPSK	1	0	21.70	21.81	21.87		22.5	1			
10	QPSK	1	45	21.48	21.65	21.82						
10	QPSK	1	90	21.81	21.69	21.75						
10	QPSK	50	0	20.43	20.39	20.71		21.5	2			
10	QPSK	50	24	20.57	20.58	20.74						
10	QPSK	50	50	20.57	20.58	20.69						
10	QPSK	100	0	20.48	20.42	20.51		21.5	2			
10	QPSK	1	0	20.42	20.38	20.64						
10	QPSK	50	0	19.38	19.38	19.80		20.5	3			
10	QPSK	50	24	19.40	19.33	19.83						
10	QPSK	50	50	19.39	19.38	19.78						
10	QPSK	100	0	19.40	19.34	19.79						
10	QPSK	1	0	19.37	19.32	19.63						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.42	22.46	22.51		23.5	0			
5	QPSK	1	12	22.42	22.49	22.52						
5	QPSK	1	24	22.48	22.38	22.51						
5	QPSK	12	0	21.38	21.44	21.77		22.5	1			
5	QPSK	12	12	21.41	21.42	21.79						
5	QPSK	12	13	21.38	21.34	21.65						
5	QPSK	25	0	21.43	21.37	21.68		21.5	2			
5	QPSK	1	0	21.67	21.52	21.68		22.5	1			
5	QPSK	1	12	21.48	21.28	22.02						
5	QPSK	1	24	21.71	21.43	21.84						
5	QPSK	12	0	20.51	20.36	20.78		21.5	2			
5	QPSK	12	7	20.42	20.28	20.63						
5	QPSK	12	10	20.58	20.38	20.58						
5	QPSK	25	0	20.55	20.34	20.72		21.5	2			
5	QPSK	1	0	20.66	20.69	20.59						
5	QPSK	1	0	20.72	20.65	20.66		21.5	2			
5	QPSK	1	24	20.72	20.65	20.91						
5	QPSK	12	0	19.43	19.33	19.87		20.5	3			
5	QPSK	12	7	19.42	19.30	19.80						
5	QPSK	12	10	19.31	19.32	19.75						
5	QPSK	25	0	19.27	19.29	19.53						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.38	22.41	22.49		23.5	0			
1.4	QPSK	1	5	22.34	22.34	22.42						
1.4	QPSK	1	5	22.14	22.47	22.49						
1.4	QPSK	3	0	21.35	21.43	21.71		22.5	1			
1.4	QPSK	3	3	21.38	21.39	21.68						
1.4	QPSK	50	0	21.27	21.58	21.77		21.5	2			
1.4	QPSK	50	0	21.22	21.68	21.77						
1.4	QPSK	1	0	21.62	21.77	21.80		22.5	1			
1.4	QPSK	1	14	21.43	21.71	21.88						
1.4	QPSK	3	0	21.44	21.44	21.77		21.5	2			
1.4	QPSK	3	3	20.48	20.44	20.63						
1.4	QPSK	50	0	20.38	20.37	20.81		21.5	2			
1.4	QPSK	50	0	20.37	20.34	20.84						
1.4	QPSK	50	24	20.63	20.64	20.84						
1.4	QPSK	3	0	19.31	19.30	19.71		20.5	3			
1.4	QPSK	3	3	19.32	19.32	19.82						
1.4	QPSK	50	0	19.44	19.37	19.68						
1.4	QPSK	50	0	19.27	19.29	19.60						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.44	22.49	22.46		23.5	0			
1.4	QPSK	1	5	22.44	22.57	22.49						
1.4	QPSK	1	5	22.24	22.51	22.53						
1.4	QPSK	3	0	22.21	22.36	22.47		22.5	1			
1.4	QPSK	3	3	22.23	22.48	22.45						
1.4	QPSK	50	0	21.31	21.21	21.66		21.5	2			
1.4	QPSK	50	0	21.26	21.74	21.49						
1.4	QPSK	1	0	21.59	21.71	21.87		22.5	1			
1.4	QPSK	1	5	21.72	21.54	21.48						
1.4	QPSK	3	0	21.45	21.36	21.68		21.5	2			
1.4	QPSK	3	1	21.40	21.43	21.65						
1.4	QPSK	3	3	21.38	21.45	21.52						
1.4	QPSK	50	0	20.34	20.48	20.63		21.5	2			
1.4	QPSK	50	0	20.61	20.62	20.80						
1.4	QPSK	1	0	20.37	20.60	20.57		21.5	2			
1.4	QPSK	1	0	20.41	20.57	20.74						
1.4	QPSK	3	0	20.59	20.34	20.43		20.5	3			
1.4	QPSK	3	3	20.37	20.11	20.88						
1.4	QPSK	50	0	19.48	19.37	19.53						

Band 4_Ant 13

Band 7_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. Ch. 1 Freq. Ch. 1 Freq.	Power High Ch. 1 Freq. Ch. 1 Freq. Ch. 1 Freq.	Turn-up time (ms)	MPR (dB)		
Channel									
Frequency (MHz)									
20	QPSK	1	0	21.93	21.76	21.96			
20	QPSK	1	48	21.95	21.98	21.93	23	0	
20	QPSK	1	96	21.91	21.75	21.92			
20	QPSK	50	0	20.88	20.83	20.98			
20	QPSK	50	24	20.96	21.16	21.15	22	1	
20	QPSK	50	50	20.88	20.83	21.03			
20	QPSK	100	0	20.85	20.85	20.90			
20	16QAM	1	0	20.92	21.37	20.75			
20	16QAM	1	48	20.93	20.74	21.36	22	1	
20	16QAM	1	96	21.96	20.80	21.95			
20	16QAM	50	0	18.80	18.75	20.02			
20	16QAM	50	24	18.86	19.02	20.05			
20	16QAM	50	50	18.83	18.85	20.21	21	2	
20	16QAM	100	0	18.88	18.73	20.02			
20	16QAM	1	0	20.76	20.92	20.12			
20	16QAM	1	48	20.17	20.08	20.12	21	2	
20	16QAM	1	96	19.71	20.07	20.32			
20	16QAM	50	0	18.83	18.78	19.01			
20	16QAM	50	24	18.95	18.83	19.03			
20	16QAM	50	50	18.82	18.76	19.18	20	3	
20	16QAM	100	0	18.79	18.76	19.00			
Channel									
Frequency (MHz)									
15	QPSK	1	0	21.05	21.96	21.91			
15	QPSK	1	27	21.96	21.96	21.97	23	0	
15	QPSK	1	74	21.73	21.85	21.88			
15	QPSK	50	0	20.93	20.92	21.07			
15	QPSK	50	24	21.03	20.98	21.14	22	1	
15	QPSK	50	50	20.98	20.93	21.19			
15	16QAM	1	0	21.49	21.22	21.80			
15	16QAM	1	27	21.44	21.25	21.80	22	1	
15	16QAM	1	74	21.34	21.04	21.41			
15	16QAM	50	0	18.98	18.91	20.10			
15	16QAM	50	24	19.07	19.08	20.08	21	2	
15	16QAM	50	50	18.98	18.88	20.15			
15	16QAM	100	0	20.02	19.99	20.18			
15	16QAM	1	0	20.96	19.90	20.22	21	2	
15	16QAM	1	27	20.95	20.12	20.38			
15	16QAM	50	0	18.97	18.74	19.13			
15	16QAM	50	24	18.98	18.96	19.02	20	3	
15	16QAM	50	50	18.97	18.87	19.03			
15	16QAM	100	0	18.88	18.92	19.07			
Channel									
Frequency (MHz)									
10	QPSK	1	0	21.90	21.91	21.89			
10	QPSK	1	25	21.98	21.98	21.97	23	0	
10	QPSK	1	48	21.92	21.87	21.98			
10	QPSK	50	0	20.98	20.98	21.01			
10	QPSK	50	24	21.04	20.97	21.02	22	1	
10	QPSK	50	50	21.03	20.90	21.14			
10	QPSK	100	0	20.97	21.01	21.13			
10	16QAM	1	0	21.48	21.07	21.39	22	1	
10	16QAM	1	25	21.15	21.48	21.38			
10	16QAM	1	48	21.07	21.38	20.91			
10	16QAM	50	0	20.08	19.99	20.06	21	2	
10	16QAM	50	24	19.94	19.95	20.02			
10	16QAM	50	50	19.98	20.03	20.07			
10	16QAM	1	0	20.27	20.09	20.15	21	2	
10	16QAM	1	25	20.04	20.35	20.30			
10	16QAM	1	48	20.32	20.09	20.43			
10	16QAM	50	0	18.96	18.95	18.95			
10	16QAM	50	24	18.92	18.93	18.98	20	3	
10	16QAM	50	50	18.90	18.92	18.95			
10	16QAM	100	0	18.97	18.91	19.04			
Channel									
Frequency (MHz)									
5	QPSK	1	0	21.94	21.95	21.96			
5	QPSK	1	12	21.98	21.98	21.98	23	0	
5	QPSK	1	24	21.95	21.94	21.95			
5	QPSK	12	0	21.05	21.02	21.18			
5	QPSK	12	7	20.99	20.93	21.05	22	1	
5	QPSK	12	13	21.08	20.91	21.11			
5	QPSK	25	0	21.07	20.95	21.14			
5	16QAM	1	0	21.92	21.92	20.93			
5	16QAM	1	12	21.12	21.48	21.80	22	1	
5	16QAM	1	24	21.44	21.10	21.32			
5	16QAM	12	0	20.11	20.00	20.12			
5	16QAM	12	7	20.03	19.88	20.18	21	2	
5	16QAM	12	13	20.10	19.89	20.09			
5	16QAM	25	0	20.05	19.93	20.14			
5	16QAM	1	0	20.07	20.19	20.19	21	2	
5	16QAM	1	12	20.31	20.35	20.14			
5	16QAM	1	24	20.31	20.35	20.14			
5	16QAM	12	0	18.13	18.98	18.14			
5	16QAM	12	7	18.90	18.96	18.14	20	3	
5	16QAM	12	13	18.04	18.88	18.09			
5	16QAM	25	0	18.08	18.87	18.09			

Band 12_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. Ch. 1 Freq. Ch. 1 Freq.	Power High Ch. 1 Freq. Ch. 1 Freq. Ch. 1 Freq.	Turn-up time (ms)	MPR (dB)		
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.32	23.37	23.35			
10	QPSK	1	25	23.45	23.59	23.48	24.5	0	
10	QPSK	1	48	23.43	23.44	23.46			
10	QPSK	25	0	22.41	22.38	22.18			
10	QPSK	25	12	22.45	22.53	22.39	23.5	1	
10	QPSK	25	25	22.44	22.46	22.27			
10	QPSK	50	0	22.50	22.51	22.28			
10	16QAM	1	0	22.40	22.79	22.81			
10	16QAM	1	25	22.92	22.92	22.94	23.5	1	
10	16QAM	1	48	22.89	22.74	22.44			
10	16QAM	25	0	21.42	21.29	21.30			
10	16QAM	25	12	21.41	21.36	21.40			
10	16QAM	25	25	21.48	21.54	21.24	22.5	2	
10	16QAM	50	0	21.48	21.48	21.22			
10	16QAM	1	0	21.37	21.38	21.52			
10	16QAM	1	25	21.58	21.85	21.45	22.5	2	
10	16QAM	1	48	21.83	21.37	21.81			
10	16QAM	25	0	20.54	20.55	20.48			
10	16QAM	25	12	20.49	20.82	20.55	21.5	3	
10	16QAM	25	25	20.59	20.88	20.41			
10	16QAM	50	0	20.59	20.84	20.37			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.34	23.43	23.48			
5	QPSK	1	12	23.48	23.50	23.43	24.5	0	
5	QPSK	1	24	23.52	23.57	23.49			
5	QPSK	12	0	22.34	22.37	22.43			
5	QPSK	12	7	22.37	22.41	22.44	23.5	1	
5	QPSK	12	13	22.38	22.46	22.38			
5	16QAM	1	0	22.31	22.48	22.38			
5	16QAM	1	12	22.33	22.45	22.38	23.5	1	
5	16QAM	1	24	22.75	22.81	22.70			
5	16QAM	12	0	21.31	21.40	21.31	22.5	2	
5	16QAM	12	7	21.38	21.38	21.35			
5	16QAM	12	13	21.23	21.43	21.24	22.5	2	
5	16QAM	25	0	21.33	21.38	21.40	22.5	2	
5	16QAM	25	12	21.44	21.47	21.45			
5	16QAM	25	25	21.48	21.16	21.59	21.5	3	
5	16QAM	50	0	20.44	20.49	20.05			
5	16QAM	12	0	20.52	20.58	20.82			
5	16QAM	12	7	20.43	20.48	20.82			
5	16QAM	25	0	20.46	20.54	20.51			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.45	23.33	23.42			
3	QPSK	1	5	23.38	23.38	23.37	24.5	0	
3	QPSK	8	0	23.28	23.31	23.27			
3	QPSK	8	4	22.36	22.46	22.28	23.5	1	
3	QPSK	8	7	22.35	22.37	22.38			
3	QPSK	16	0	22.27	22.34	22.35			
3	16QAM	1	0	22.75	22.83	22.88	23.5	1	
3	16QAM	1	8	22.47	22.77	22.87			
3	16QAM	8	0	21.43	21.37	21.42	22.5	2	
3	16QAM	8	4	21.44	21.49	21.51			
3	16QAM	8	7	21.33	21.43	21.48			
3	16QAM	16	0	21.48	21.38	21.52	22.5	2	
3	16QAM	1	0	21.82	21.83	21.87			
3	16QAM	1	8	21.88	21.15	21.33	21.5	3	
3	16QAM	8	4	20.59	20.55	20.47			
3	16QAM	8	7	20.54	20.44	20.52			
3	16QAM	16	0	20.59	20.52	20.39			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.29	23.47	23.21			
1.4	QPSK	1	3	23.41	23.68	23.47	24.5	0	
1.4	QPSK	1	5	23.23	23.43	23.32			
1.4	QPSK	1	8	23.47	23.49	23.44			
1.4	QPSK	3	1	23.30	23.37	23.35			
1.4	QPSK	3	3	23.30	23.40	23.30	23.5	1	
1.4	QPSK	3	5	23.37	23.37	23.37			
1.4	QPSK	3	8	23.15	22.81	22.14			
1.4	QPSK	3	11	23.15	22.88	22.08			
1.4	16QAM	1	0	22.97	22.49	22.59	23.5	1	
1.4	16QAM	1	3	23.37	22.41	22.38			
1.4	16QAM	1	5	23.28	23.28	23.28			
1.4	16QAM	3	3	23.32	23.38	23.32	22.5	2	
1.4	16QAM	3	5	23.39	24.12	23.51			
1.4	16QAM	3	8	21.39	21.42	21.51	22.5	2	
1.4	16QAM	3	11	21.44	21.54	21.54			
1.4	16QAM	3	13	21.71	21.34	21.51	22.5	2	
1.4	16QAM	3	15	21.34	21.62	21.69			
1.4	16QAM	3	18	21.61	21.61	21.62			
1.4	16QAM	3	19	21.43	21.61	21.61			
1.4	16QAM	3	21	21.13	21.40	21.30	21.5	3	
1.4	16QAM	3	23	21.62	21.62	21.62			

Band 17_Ant 13									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch 1	Power High Ch 1	Power High Ch 2	Power High Ch 3	Turn-up time (min)	MPR (dB)
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.26	23.29	23.29			
10	QPSK	1	36	23.43	23.46	23.47		24.5	
10	QPSK	1	40	23.41	23.37	23.32			
10	QPSK	25	0	22.23	22.19	22.14			
10	QPSK	25	12	22.36	22.31	22.26		23.5	1
10	QPSK	25	50	22.28	22.22	22.16			
10	QPSK	50	0	22.21	22.20	22.19			
10	QPSK	1	0	22.16	22.12	22.09			
10	QPSK	1	20	22.01	22.00	22.00		23.5	1
10	QPSK	1	40	22.17	22.15	22.12			
10	QPSK	25	1	21.19	21.25	21.10			
10	QPSK	25	12	21.31	21.25	21.20		22.5	2
10	QPSK	25	50	21.31	21.25	21.18			
10	QPSK	50	0	21.27	21.14	21.10			
10	QPSK	1	0	21.07	21.07	21.08		22.5	2
10	QPSK	1	20	21.48	21.03	21.03			
10	QPSK	1	40	21.58	21.26	21.00			
10	QPSK	25	0	20.40	20.20	20.30		21.5	3
10	QPSK	25	12	20.51	20.43	20.35			
10	QPSK	25	50	20.53	20.37	20.28			
10	QPSK	50	0	20.47	20.36	20.30			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.45	23.36	23.19		24.5	0
5	QPSK	1	12	23.42	23.45	23.39			
5	QPSK	1	24	23.44	23.46	23.38			
5	QPSK	25	0	22.41	22.39	22.42			
5	QPSK	25	12	22.38	22.37	22.36		23.5	1
5	QPSK	25	10	22.38	22.36	22.33			
5	QPSK	25	0	22.40	22.40	22.40		23.5	1
5	QPSK	1	0	22.45	22.46	22.46			
5	QPSK	1	24	22.54	22.51	22.15			
5	QPSK	12	0	21.42	21.29	21.45		22.5	2
5	QPSK	12	0	21.48	21.35	21.53			
5	QPSK	12	12	21.37	21.30	21.27			
5	QPSK	25	0	21.22	21.32	21.42			
5	QPSK	1	0	21.48	21.35	21.53		22.5	2
5	QPSK	1	12	21.88	21.72	21.55			
5	QPSK	1	24	21.51	21.40	21.50			
5	QPSK	12	0	20.80	20.52	20.57		21.5	3
5	QPSK	12	0	20.81	20.49	20.49			
5	QPSK	12	0	20.84	20.57	20.52			

Band 26_Ant 13									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch 1 Power Ch 2 Power Ch 3	Power High Ch 1 Power Ch 2 Power Ch 3	Turn-up time (min)	MPR (dB)		
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.78	22.78	22.78	24	0	
15	QPSK	1	37	22.79	22.80	22.76			
15	QPSK	1	74	22.75	22.84	22.75			
15	QPSK	25	0	21.06	21.04	21.01	23	1	
15	QPSK	25	20	21.08	21.21	21.03			
15	QPSK	25	39	21.03	21.05	21.02			
15	QPSK	25	0	21.07	21.23	21.07			
15	QPSK	1	0	22.00	21.90	21.59			
15	QPSK	1	37	22.03	21.95	22.21	23	1	
15	QPSK	1	74	21.98	22.07	21.76			
15	QPSK	25	0	20.70	20.81	20.76			
15	QPSK	25	20	20.71	20.85	20.80	22	2	
15	QPSK	25	39	20.84	20.80	20.80			
15	QPSK	25	0	20.85	20.81	20.74			
15	QPSK	1	0	20.72	20.65	20.60			
15	QPSK	1	37	20.74	20.83	20.71	22	2	
15	QPSK	1	74	20.80	20.43	20.84			
15	QPSK	25	0	19.08	19.08	19.08			
15	QPSK	25	20	19.09	19.04	19.75	21	3	
15	QPSK	25	39	19.72	19.52	19.52			
15	QPSK	25	0	19.70	19.50	19.68			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.77	22.59	22.79			
10	QPSK	1	20	22.79	22.77	22.79	24	0	
10	QPSK	1	40	22.78	22.72	22.74			
10	QPSK	1	78	22.76	22.78	22.85			
10	QPSK	25	12	21.84	21.75	21.83	23	1	
10	QPSK	25	20	21.79	21.79	21.80			
10	QPSK	25	39	21.80	21.74	21.82			
10	QPSK	1	0	22.30	21.53	21.85			
10	QPSK	1	20	21.80	21.80	21.78	23	1	
10	QPSK	1	40	21.78	21.73	21.76			
10	QPSK	25	0	20.83	20.79	20.87			
10	QPSK	25	12	20.84	20.79	20.79	22	2	
10	QPSK	25	20	20.80	20.80	20.84			
10	QPSK	25	0	20.80	20.75	20.76			
10	QPSK	25	12	20.81	20.87	20.78			
10	QPSK	1	0	20.78	20.57	20.92	22	2	
10	QPSK	1	20	20.60	20.60	20.67			
10	QPSK	25	0	19.79	19.72	19.78			
10	QPSK	25	12	19.84	19.73	19.77	21	3	
10	QPSK	25	20	19.78	19.67	19.76			
10	QPSK	50	0	19.75	19.66	19.76			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.79	22.76	22.74			
5	QPSK	1	12	22.78	22.79	22.77	24	0	
5	QPSK	1	24	22.76	22.77	22.76			
5	QPSK	12	0	21.86	21.74	21.88			
5	QPSK	12	7	21.85	21.76	21.80	23	1	
5	QPSK	25	0	21.81	21.69	21.72			
5	QPSK	25	0	21.78	21.77	21.86			
5	QPSK	1	0	22.22	22.13	21.81	23	1	
5	QPSK	1	20	22.15	22.08	21.80			
5	QPSK	1	24	22.30	21.85	21.84			
5	QPSK	12	0	20.82	20.48	21.03	22	2	
5	QPSK	1	12	21.04	20.94	21.12			
5	QPSK	1	24	21.07	21.01	21.02			
5	QPSK	12	0	19.80	19.73	19.82			
5	QPSK	12	7	19.82	19.72	19.80	21	3	
5	QPSK	12	10	19.74	19.67	19.76			
5	QPSK	25	0	19.78	19.73	19.77			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.65	22.78	22.84			
1.4	QPSK	1	15	22.78	22.75	22.75	24	0	
1.4	QPSK	1	30	22.79	22.56	22.76			
1.4	QPSK	3	0	22.78	22.68	22.79			
1.4	QPSK	3	0	22.77	22.74	22.79			
1.4	QPSK	3	0	22.73	22.75	22.73	23	1	
1.4	QPSK	3	0	21.83	21.74	21.84			
1.4	QPSK	3	0	21.79	21.71	21.88			
1.4	QPSK	1	0	22.32	22.16	22.28	22	2	
1.4	QPSK	1	0	22.32	22.02	22.11			
1.4	QPSK	3	0	21.78	21.81	21.87	23	1	
1.4	QPSK	3	0	21.81	21.84	21.81			
1.4	QPSK	3	0	21.87	21.84	21.87			
1.4	QPSK	3	0	21.02	20.74	20.68	22	2	
1.4	QPSK	1	0	21.05	20.81	20.82			
1.4	QPSK	1	0	21.15	20.80	21.08			
1.4	QPSK	1	0	21.08	20.81	20.73	22	2	
1.4	QPSK	3	0	20.93	20.98	20.96			
1.4	QPSK	3	0	20.99	20.51	20.77			
1.4	QPSK	3	0	21.01	20.86	20.82			
1.4	QPSK	3	0	19.75	19.59	19.75	21	3	

Band 66_Ant 13									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch 1 Power Ch 2 Power Ch 3	Power High Ch 1 Power Ch 2 Power Ch 3	Turn-up time (min)	MPR (dB)		
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.15	23.08	23.11			
20	QPSK	1	44	23.29	23.11	23.31			23.2
20	QPSK	1	90	23.09	23.11	23.04			
20	QPSK	25	0	21.14	21.28	21.35	22.2	1	
20	QPSK	25	24	21.19	21.08	21.36			
20	QPSK	25	50	21.17	21.23	21.18			
20	QPSK	50	0	21.13	21.31	21.28			
20	16QAM	1	0	21.27	21.27	21.20			
20	16QAM	1	40	21.15	21.00	21.01			
20	16QAM	1	90	21.11	21.23	21.42			22.2
20	16QAM	25	0	20.15	20.53	20.52			
20	16QAM	25	24	20.23	20.20	20.29			
20	16QAM	25	50	20.10	20.21	20.18			21.2
20	16QAM	50	0	20.12	20.22	20.28			
20	16QAM	1	0	19.34	19				
20	16QAM	1	44	20.40	20.51	20.66			21.2
20	16QAM	1	90	20.21	20.38	20.57			
20	16QAM	25	0	19.24	19.46	19.51			
20	16QAM	25	24	19.29	18.42	19.47			20.2
20	16QAM	25	50	19.13	19.31	19.36			
20	16QAM	50	0	19.27	19.41	19.46			
Channel									
Frequency (MHz)									
16	QPSK	1	0	22.07	22.21	22.21			
16	QPSK	1	37	21.68	22.28	22.37			23.2
16	QPSK	1	74	22.07	22.02	22.02			
16	QPSK	36	0	21.13	21.37	21.30			
16	QPSK	36	20	21.17	21.29	21.29			22.2
16	QPSK	36	36	21.17	21.23	21.23			
16	QPSK	72	0	21.18	21.28	21.29			
16	QPSK	72	20	21.17	21.28	21.29			
16	16QAM	1	37	21.59	21.75	21.79			22.2
16	16QAM	1	74	21.17	21.37	21.29			
16	16QAM	36	0	20.13	20.33	20.33			21.2
16	16QAM	36	20	20.12	20.27	20.27			
16	16QAM	36	36	20.15	20.29	20.26			
16	16QAM	72	0	20.17	20.31	20.31			20.2
16	16QAM	72	20	20.17	20.28	20.25			
16	16QAM	1	0	20.30	20.47	20.30			
16	16QAM	1	37	20.30	20.47	20.30			
16	16QAM	1	74	20.09	20.12	20.34			
16	16QAM	36	0	19.35	19.49	19.56			
16	16QAM	36	20	19.35	19.45	19.45			
16	16QAM	36	36	19.35	19.43	19.38			20.2
16	16QAM	72	0	19.35	19.44	19.47			
Channel									
Frequency (MHz)									
16	QPSK	1	0	21.76	21.76	21.76			
16	QPSK	1	37	21.13	22.24	22.21			23.2
16	QPSK	1	74	22.07	22.02	22.02			
16	QPSK	1	49	22.12	22.04	22.20			
16	QPSK	25	0	21.15	21.36	21.30			
16	QPSK	25	12	21.15	21.28	21.28			22.2
16	QPSK	25	25	21.17	21.26	21.26			
16	QPSK	25	25	21.17	21.26	21.26			
16	16QAM	1	0	21.36	21.73	21.68			
16	16QAM	1	37	21.36	21.73	21.68			
16	16QAM	1	74	20.48	21.62	21.61			22.2
16	16QAM	36	0	20.08	20.26	20.32			
16	16QAM	36	20	20.18	20.27	20.27			
16	16QAM	36	36	20.12	20.38	20.31			21.2
16	16QAM	72	0	20.18	20.27	20.27			
16	16QAM	72	20	20.18	20.27	20.27			
16	16QAM	50	0	20.27	20.37	20.30			
16	16QAM	1	0	20.36	20.27	20.30			
16	16QAM	1	37	20.36	20.27	20.30			
16	16QAM	1	49	20.13	20.22	20.93			
16	16QAM	25	0	19.30	19.40	19.46			
16	16QAM	25	12	19.30	19.40	19.42			
16	16QAM	25	25	19.38	19.40	19.39			20.2
16	16QAM	50	0	19.38	19.45	19.45			
Channel									
Frequency (MHz)									
8	QPSK	1	0	19.78	19.82	19.82			
8	QPSK	1	37	19.77	19.77	19.77			
8	QPSK	1	74	20.22	20.26	20.26			23.2
8	QPSK	1	24	20.21	20.23	20.26			
8	QPSK	12	0	21.32	21.30	21.33			
8	QPSK	12	7	21.18	21.29	21.26			22.2
8	QPSK	12	13	21.18	21.29	21.16			
8	QPSK	25	0	21.17	21.28	21.28			
8	16QAM	1	0	21.37	21.40	21.07			
8	16QAM	1	37	21.37	21.40	21.07			
8	16QAM	1	24	21.50	21.62	21.03			
8	16QAM	12	0	20.64	20.28	20.22			21.2
8	16QAM	12	7	20.64	20.28	20.22			
8	16QAM	12	13	20.64	20.28	20.22			
8	16QAM	25	0	20.13	20.24	20.21			
8	16QAM	25	12	20.13	20.24	20.21			
8	16QAM	1	12	20.08	20.30	20.46			21.2
8	16QAM	1	24	20.07	20.30	20.46			
8	16QAM	12	0	19.30	19.49	19.51			
8	16QAM	12	7	19.24	18.50	19.45			20.2
8	16QAM	12	13	19.24	18.50	19.45			
8	16QAM	25	0	19.23	19.45	19.54			
Channel									
Frequency (MHz)									
8	QPSK	1	0	22.15	22.18	22.20			
8	QPSK	1	37	22.21	22.32	22.29			23.2
8	QPSK	1	74	22.17	22.13	22.13			
8	QPSK	8	0	21.13	21.30	21.28			
8	QPSK	8	21	21.17	21.23	21.24			22.2
8	QPSK	8	43	21.13	21.21	21.21			
8	QPSK	16	0	21.12	21.17	21.26			
8	QPSK	16	21	21.12	21.17	21.26			
8	16QAM	1	0	21.44	21.20	21.42			22.2
8	16QAM	1	14	21.38	21.41	21.22			
8	16QAM	8	0	20.15	20.35	20.35			
8	16QAM	8	4	20.11	20.21	20.22			21.2
8	16QAM	8	7	20.13	20.31	20.17			
8	16QAM	16	0	20.17	20.28	20.18			
8	16QAM	1	0	20.08	20.40	20.38			21.2
8	16QAM	8	0	20.14	20.34	20.14			
8	16QAM	1	14	20.14	20.32	20.14			
8	16QAM	1	7	19.22	18.52	19.38			
8	16QAM	8	0	19.30	19.39	19.43			20.2
8	16QAM	8	7	19.32	19.38	19.54			
8	16QAM	15	0	19.35	19.45	19.44			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	17.67	17.49	17.73			
1.4	QPSK	1	3	22.21	22.26	22.23			23.2
1.4	QPSK	1	6	21.17	21.23	21.23			
1.4	QPSK	1	6	21.13	21.30	21.28			
1.4	QPSK	1	6	21.60	22.23	22.31			22.2
1.4	QPSK	2	0	22.30	22.20	22.22			
1.4	QPSK	2	3	22.24	22.26	22.31			
1.4	QPSK	2	3	22.24	22.26	22.31			23.2
1.4	16QAM	1	0	21.43	21.26	21.28			
1.4	16QAM	1	3	21.43	21.31	21.61			
1.4	16QAM	1	6	21.10	21.52	21.52			22.2
1.4	16QAM	1	6	21.12	21.22	21.25			
1.4	16QAM	1	6	21.04	21.27	21.17			
1.4	16QAM	2	0	20.18	20.38	20.21			21.2
1.4	16QAM	2	3	19.30	19.37	19.44			
1.4	16QAM	2	3	19.31	19.44	19.44			
1.4	16QAM	1	0	20.11	20.25	20.15			21.2
1.4	16QAM	1	3	20.11	20.25	20.15			
1.4	16QAM	1	6	19.82	20.45	20.41			
1.4	16QAM	3	0	19.81	20.45	20.31			20.2

Band 38_Ant 13									
EV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (W)	Power Middle Ch. 1 (W)	Power High Ch. 1 (W)	Time-up time (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	0	22.25	22.21	22.31	23.4	0	
30	QPSK	1	48	22.45	22.40	22.44			
20	QPSK	1	96	22.34	22.38	22.44			
20	QPSK	36	0	21.45	21.38	21.38	22.4	1	
20	QPSK	36	24	21.49	21.52	21.47			
20	QPSK	36	48	21.45	21.42	21.46			
20	QPSK	144	0	21.41	21.42	21.40	22.4	1	
20	QPSK	144	1	21.28	21.30	21.27			
20	QPSK	144	48	21.45	21.48	21.48			
20	16QAM	1	96	21.39	21.33	21.35	21.4	2	
20	16QAM	36	0	20.33	20.43	20.41			
20	16QAM	36	24	20.41	20.47	20.41			
20	16QAM	36	48	20.43	20.35	20.44	21.4	2	
20	16QAM	144	0	19.43	19.44	19.44			
20	16QAM	144	1	19.31	19.33	19.33			
20	16QAM	144	48	19.39	19.40	19.35	20.4	3	
20	16QAM	144	96	19.39	19.40	19.35			
20	16QAM	144	144	19.35	19.38	19.34			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.33	22.32	22.34	23.4	0	
15	QPSK	1	48	22.38	22.48	22.39			
15	QPSK	1	96	22.42	22.38	22.38			
15	QPSK	36	0	21.32	21.31	21.29	22.4	1	
15	QPSK	36	24	21.37	21.37	21.32			
15	QPSK	36	48	21.35	21.36	21.32			
15	QPSK	144	0	21.32	21.35	21.32	22.4	1	
15	QPSK	144	1	21.32	21.34	21.32			
15	QPSK	144	48	21.35	21.40	21.32			
15	16QAM	1	96	21.35	21.40	21.32	21.4	2	
15	16QAM	36	0	20.25	20.33	20.27			
15	16QAM	36	24	20.28	20.28	20.31			
15	16QAM	36	48	20.28	20.30	20.30	21.4	2	
15	16QAM	144	0	19.34	19.39	19.33			
15	16QAM	144	1	19.37	19.34	19.32			
15	16QAM	144	48	19.35	19.32	19.34	20.4	3	
15	16QAM	144	96	19.31	19.35	19.34			
15	16QAM	144	144	19.27	19.34	19.27			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.38	22.48	22.33	23.4	0	
10	QPSK	1	48	22.40	22.48	22.42			
10	QPSK	1	96	22.37	22.42	22.41			
10	QPSK	36	0	21.31	21.38	21.39	22.4	1	
10	QPSK	36	24	21.35	21.39	21.41			
10	QPSK	36	48	21.35	21.35	21.39			
10	QPSK	144	0	21.39	21.42	21.42	21.4	2	
10	QPSK	144	1	21.35	21.44	21.35			
10	QPSK	144	48	21.45	21.47	21.48			
10	16QAM	1	96	21.35	21.41	21.38	20.4	3	
10	16QAM	36	0	20.35	20.42	20.42			
10	16QAM	36	24	20.34	20.43	20.37			
10	16QAM	36	48	20.37	20.42	20.44	21.4	2	
10	16QAM	144	0	19.35	19.41	19.38			
10	16QAM	144	1	19.35	19.41	19.43			
10	16QAM	144	48	19.38	19.41	19.43	20.4	3	
10	16QAM	144	96	19.38	19.35	19.48			
10	16QAM	144	144	19.39	19.33	19.37			
10	16QAM	576	0	19.39	19.33	19.37	21.4	2	
10	16QAM	576	24	19.35	19.41	19.43			
10	16QAM	576	48	19.35	19.41	19.43			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.40	22.44	22.40	23.4	0	
5	QPSK	1	48	22.45	22.45	22.45			
5	QPSK	1	96	22.38	22.45	22.44			
5	QPSK	12	0	21.35	21.44	21.41	22.4	1	
5	QPSK	12	1	21.33	21.43	21.43			
5	QPSK	12	13	21.35	21.38	21.37			
5	QPSK	12	13	21.31	21.34	21.37	22.4	1	
5	QPSK	12	13	21.35	21.38	21.37			
5	QPSK	12	13	21.31	21.34	21.37			
5	16QAM	1	96	21.35	21.40	21.43	21.4	2	
5	16QAM	12	14	21.42	21.39	21.43			
5	16QAM	12	14	21.41	21.41	21.43			
5	16QAM	12	16	20.29	20.35	20.30	21.4	2	
5	16QAM	12	17	20.30	20.34	20.37			
5	16QAM	12	18	20.33	20.39	20.39			
5	16QAM	26	0	20.34	20.40	20.44	20.4	3	
5	16QAM	26	1	20.34	20.40	20.44			
5	16QAM	26	12	20.35	20.38	20.41			
5	16QAM	1	96	20.33	20.31	20.35	21.4	2	
5	16QAM	1	96	20.33	20.31	20.35			
5	16QAM	1	96	20.33	20.31	20.35			
5	16QAM	12	17	19.28	19.34	19.38	20.4	3	
5	16QAM	12	18	19.29	19.34	19.38			
5	16QAM	12	19	19.29	19.34	19.38			

Band 41_Ant 13										
EV (MHz)	Modulation	RB Size	RB Offset	Power Low Power High	Power Middle Power High	Power Prime Power High	Power High Power High	Time-up time (dBm)	MFR (dB)	
Channel										
Frequency (MHz)										
30	QPSK	1	0	22.12	22.05	22.15	23.4	0		
30	QPSK	1	48	22.25	22.26	22.32				22.48
20	QPSK	1	96	22.15	22.20	22.29				22.37
20	QPSK	36	0	21.19	21.24	21.29	22.4	1		
20	QPSK	36	24	21.31	21.31	21.47				21.44
20	QPSK	36	48	21.28	21.29	21.45				21.42
20	QPSK	144	0	21.23	21.30	21.38	22.4	1		
20	16QAM	1	1	21.16	21.11	21.28				21.29
20	16QAM	1	48	21.27	21.27	21.53				21.52
20	16QAM	36	0	20.16	20.22	20.38	21.4	2		
20	16QAM	36	24	20.25	20.20	20.43				20.41
20	16QAM	36	48	20.29	20.25	20.32				20.34
20	16QAM	144	0	19.24	19.28	19.33	21.4	2		
20	16QAM	144	1	19.30	19.32	19.38				19.38
20	16QAM	144	48	19.34	19.30	19.33				19.34
20	16QAM	576	0	19.11	19.17	19.30	20.4	3		
20	16QAM	576	24	19.23	19.17	19.38				19.38
20	16QAM	576	48	19.22	19.19	19.38				19.38
20	16QAM	144	0	19.19	19.20	19.38	21.4	2		
20	16QAM	144	1	19.11	19.13	19.33				19.36
20	16QAM	144	48	19.11	19.13	19.33				19.36
20	16QAM	144	96	19.48	19.38	19.38				19.38
20	16QAM	144	144	19.11	19.17	19.30				19.33
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.27	22.31	22.47	23.4	0		
15	QPSK	1	48	22.38	22.41	22.49				22.48
15	QPSK	1	96	22.35	22.41	22.42				22.43
15	QPSK	36	0	21.32	21.31	21.46	22.4	1		
15	QPSK	36	24	21.35	21.34	21.48				21.50
15	QPSK	36	48	21.35	21.32	21.44				21.54
15	QPSK	144	0	21.32	21.34	21.50	22.4	1		
15	QPSK	144	1	21.30	21.34	21.40				21.52
15	QPSK	144	48	21.43	21.38	21.52	22.4	1		
15	16QAM	1	1	21.23	21.18	21.32				21.54
15	16QAM	1	48	21.30	21.30	21.56				21.53
15	16QAM	36	0	20.29	20.33	20.42	21.4	2		
15	16QAM	36	24	20.38	20.33	20.42				20.50
15	16QAM	36	48	20.42	20.38	20.45				20.53
15	16QAM	144	0	19.26	19.34	19.43	20.4	3		
15	16QAM	144	1	19.30	19.31	19.48				19.44
15	16QAM	144	48	19.32	19.28	19.47				19.45
15	16QAM	576	0	19.10	19.28	19.42	21.4	2		
15	16QAM	576	24	19.13	19.25	19.48				19.53
15	16QAM	576	48	19.16	19.32	19.48				19.53
15	16QAM	576	96	19.50	19.40	19.48				19.56
15	16QAM	576	144	19.10	19.16	19.42				19.48
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.21	22.20	22.29	23.4	0		
10	QPSK	1	48	22.25	22.26	22.48				22.38
10	QPSK	1	96	22.22	22.26	22.42				22.38
10	QPSK	36	0	21.27	21.26	22.44	22.4	1		
10	QPSK	36	24	21.32	21.34	21.44				21.54
10	QPSK	36	48	21.37	21.37	21.58				21.63
10	QPSK	144	0	21.23	21.32	21.40	22.4	1		
10	QPSK	144	1	21.29	21.34	21.48				21.60
10	QPSK	144	48	21.40	21.45	21.61				21.57
10	16QAM	1	1	21.14	21.40	21.48	22.4	1		
10	16QAM	1	48	21.37	21.30	21.58				21.67
10	16QAM	1	96	21.39	21.36	21.62				21.60
10	16QAM	36	0	20.37	20.36	20.58	21.4	2		
10	16QAM	36	24	20.40	20.36	20.58				20.66
10	16QAM	36	48	20.42	20.38	20.58				20.70
10	16QAM	144	0	19.35	19.36	19.58	20.4	3		
10	16QAM	144	1	19.38	19.38	19.58				19.66
10	16QAM	144	48	19.40	19.36	19.58				19.66
10	16QAM	576	0	19.00	19.05	19.29	21.4	2		
10	16QAM	576	24	19.18	19.12	19.25				19.37
10	16QAM	576	48	19.20	19.10	19.25				19.37
10	16QAM	576	96	19.31	19.34	19.52				19.63
10	16QAM	576	144	19.36	19.40	19.58				19.66
10	16QAM	576	192	19.38	19.38	19.58	19.66			
10	16QAM	576	240	19.38	19.38	19.58	19.66			
10	16QAM	576	288	19.38	19.38	19.58	19.66			
10	16QAM	576	336	19.38	19.38	19.58	19.66			
10	16QAM	576	384	19.38	19.38	19.58	19.66			
10	16QAM	576	432	19.38	19.38	19.58	19.66			
10	16QAM	576	480	19.38	19.38	19.58	19.66			
10	16QAM	576	528	19.38	19.38	19.58	19.66			
10	16QAM	576	576	19.38	19.38	19.58	19.66			
10	16QAM	576	624	19.38	19.38	19.58	19.66			
10	16QAM	576	672	19.38	19.38	19.58	19.66			
10	16QAM	576	720	19.38	19.38	19.58	19.66			
10	16QAM	576	768	19.38	19.38	19.58	19.66			
10	16QAM	576	816	19.38	19.38	19.58	19.66			
10	16QAM	576	864	19.38	19.38	19.58	19.66			
10	16QAM	576	912	19.38	19.38	19.58	19.66			
10	16QAM	576	960	19.38	19.38	19.58	19.66			
10	16QAM	576	1008	19.38	19.38	19.58	19.66			
10	16QAM	576	1056	19.38	19.38	19.58	19.66			
10	16QAM	576	1104	19.38	19.38	19.58	19.66			
10	16QAM	576	1152	19.38	19.38	19.58	19.66			
10	16QAM	576	1200	19.38	19.38	19.58	19.66			
10	16QAM	576	1248	19.38	19.38	19.58	19.66			
10	16QAM	576	1296	19.38	19.38	19.58	19.66			
10	16QAM	576	1344	19.38	19.38	19.58	19.66			
10	16QAM	576	1392	19.38	19.38	19.58	19.66			
10	16QAM	576	1440	19.38	19.38	19.58	19.66			
10	16QAM	576	1488	19.38	19.38	19.58	19.66			
10	16QAM	576	1536	19.38	19.38	19.58	19.66			
10	16QAM	576	1584	19.38	19.38	19.58	19.66			
10	16QAM	576	1632	19.38	19.38	19.58	19.66			
10	16QAM	576	1680	19.38	19.38	19.58	19.66			
10	16QAM	576	1728	19.38	19.38	19.58	19.66			
10	16QAM	576	1776	19.38	19.38	19.58	19.66			
10	16QAM	576	1824	19.38	19.38	19.58	19.66			
10	16QAM	576	1872	19.38	19.38	19.58	19.66			
10	16QAM	576	1920	19.38	19.38	19.58	19.66			
10	16QAM	576	1968	19.38	19.38	19.58	19.66			
10	16QAM	576	2016	19.38	19.38	19.58	19.66			
10	16QAM	576	2064	19.38	19.38	19.58	19.66			
10	16QAM	576	2112	19.38	19.38	19.58	19.66			
10	16QAM	576	2160	19.38	19.38	19.58	19.66			
10	16QAM	576	2208	19.38	19.38	19.58	19.66			
10	16QAM	576	2256	19.38	19.38	19.58	19.66			
10	16QAM	576	2304	19.38	19.38	19.58	19.66			
10	16QAM	576	2352	19.38	19.38	19.58	19.66			
10	16QAM	576	2400	19.38	19.38	19.58	19.66			
10	16QAM	576	2448	19.38	19.38	19.58	19.66			
10	16QAM	576	2496	19.38	19.38	19.58	19.66			
10	16QAM	576	2544	19.38	19.38	19.58	19.66			
10	16QAM	576	2592	19.38	19.38	19.58	19.66			
10	16QAM	576	2640	19.38	19.38	19.58	19.66			
10	16QAM	576	2688	19.38	19.38	19.58	19.66			
10	16QAM	576	2736	19.38	19.38	19.58	19.66			
10	16QAM	576	2784	19.38	19.38	19.58	19.66			
10	16QAM	576	2832	19.38	19.38	19.58	19.66			
10	16QAM	576	2880	19.38	19.38	19.58	19.66			
10	16QAM	576	2928	19.38	19.38	19.58	19.66			
10	16QAM	576	2976	19.38	19.38	19.58	19.66			
10	16QAM	576	3024	19.38	19.38	19.58	19.66			
10	16QAM	576	3072	19.38	19.38	19.58	19.66			
10	16QAM	576	3120	19.38	19.38	19.58	19.66			
10	16QAM	576	3168	19.38	19.38	19.58	19.66			
10	16QAM	576	3216	19.38	19.38	19.58	19.66			
10	16QAM	576	3264	19.38	19.38	19.58	19.66			
10	16QAM	576	3312	19.38	19.38	19.58	19.66			
10	16QAM	576	3360	19.38	19.38	19.58	19.66			
10	16QAM	576	3408	19.38	19.38	19.58	19.66			
10	16QAM	576	3456	19.38	19.38	19.58	19.66			
10	16QAM	576	3504	19.38	19.38	19.58	19.66			
10	16QAM	576	3552	19.38	19.38	19.58	19.66			
10	16QAM	576	3600	19.38	19.38	19.58	19.66			
10	16QAM	576	3648	19.38	19.38	19.58	19.66			
10	16QAM	576	3696	19.38	19.38	19.58	19.66			
10	16QAM	576	3744	19.38	19.38	19.58	19.66			
10	16QAM	576	3792	19.38	19.38	19.58	19.66			
10	16QAM	576	3840	19.38	19.38	19.58	19.66			
10	16QAM	576	3888	19.38	19.38	19.58	19.66			
10	16QAM	576	3936	19.38	19.38	19.58	19.66			
10	16QAM	576	3984	19.38	19.38	19.58	19.66			
10	16QAM	576	4032	19.38	19.38	19.58	19.66			
10	16QAM	576	4080	19.38	19.38	19.58	19.66			
10	16QAM	576	4128	19.38	19.38	19.58	19.66			
10	16QAM	576	4176	19.38	19.38	19.58	19.66			
10	16QAM	576	4224	19.38	19.38	19.58	19.66			
10	16QAM	576	4272	19.38	19.38	19.58	19.66			
10	16QAM	576	4320	19.38	19.38	19.58	19.66			
10	16QAM	576	4368	19.38	19.38	19.58	19.66			
10	16QAM	576	4416</							



Reduced Power for DSI 5

GSM1900_Ant.13	Burst Average Power (dBm)				Tune-up Limit	Frame-Average Power (dBm)				Tune-up Limit
	TX Channel					Frequency (MHz)				
Frequency (MHz)	128	189	251		128	189	251			
GSM 1 Tx slot	32.32	32.14	32.36	33.50	23.32	23.14	23.36	24.50		
GPRS 1 Tx slot	32.37	32.19	32.38	33.50	23.37	23.19	23.38	24.50		
GPRS 2 Tx slots	30.64	30.67	30.66	31.50	24.64	24.67	24.66	25.50		
GPRS 3 Tx slots	28.81	28.51	28.83	29.50	24.55	24.25	24.57	25.24		
GPRS 4 Tx slots	27.17	27.12	27.26	28.00	24.17	24.12	24.26	25.00		
EDGE 1 Tx slot	26.87	26.58	26.89	27.50	17.87	17.58	17.89	18.50		
EDGE 2 Tx slots	24.71	24.55	24.78	25.50	18.71	18.55	18.78	19.50		
EDGE 3 Tx slots	22.60	22.35	22.61	23.50	18.34	18.09	18.35	19.24		
EDGE 4 Tx slots	20.95	20.65	20.98	22.00	17.95	17.65	17.98	18.00		

GSM1900_Ant.13		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1330.2	1330.3	1330.3	1330.2	1330.3	1330.3	1330.2	
GSM 1 Tx slot		28.95	28.97	29.16	30.50	19.95	19.97	20.16	21.50
GPRS 1 Tx slot		28.93	28.94	29.14	30.50	19.93	19.94	20.14	21.50
GPRS 2 Tx slots		26.27	26.39	26.19	27.50	20.27	20.39	20.19	21.50
GPRS 3 Tx slots		24.17	24.07	24.01	25.50	19.81	19.81	19.75	21.24
GPRS 4 Tx slots		22.56	22.49	22.50	24.00	19.56	19.49	19.50	21.00
EDGE 1 Tx slot		25.73	25.64	25.92	26.50	16.73	16.64	16.92	17.50
EDGE 2 Tx slots		23.65	23.66	23.94	24.50	17.65	17.66	17.94	18.50
EDGE 3 Tx slots		21.24	21.33	21.53	22.50	16.98	17.07	17.27	18.24
EDGE 4 Tx slots		19.26	19.26	19.66	21.00	16.26	16.26	16.66	18.00

Band		WCDMA II_Ant.13				Tune-up Limit (dBm)	WCDMA IV_Ant.31				Tune-up Limit (dBm)
TX Channel		WCDMA II_Ant.13					WCDMA IV_Ant.31				
Rx Channel		Rx Channel					Rx Channel				
Frequency (MHz)		Frequency (MHz)					Frequency (MHz)				
3GPP Rel 99	AMR 12.2Kbps	19.74	19.85	19.97	21.30	21.10	21.21	21.28	22.20		
3GPP Rel 99	RMC 12.2Kbps	19.91	20.03	19.99	21.30	21.11	21.32	21.30	22.20		
3GPP Rel 6	HSDPA Subtest-1	18.64	18.66	18.84	20.30	19.68	19.89	19.98	21.20		
3GPP Rel 6	HSDPA Subtest-2	18.68	18.70	18.48	20.30	19.73	19.84	19.84	21.20		
3GPP Rel 6	HSDPA Subtest-3	18.26	18.26	18.41	19.80	19.24	19.29	19.44	20.70		
3GPP Rel 6	HSDPA Subtest-4	18.07	18.25	18.41	19.80	19.21	19.30	19.42	20.70		
3GPP Rel 8	DC-HSDPA Subtest-1	18.65	18.53	18.53	20.30	19.82	19.88	19.78	21.20		
3GPP Rel 8	DC-HSDPA Subtest-2	18.67	18.68	18.57	20.30	19.71	19.73	19.71	21.20		
3GPP Rel 8	DC-HSDPA Subtest-3	18.20	18.20	18.19	19.80	19.18	19.21	19.21	20.70		
3GPP Rel 8	DC-HSDPA Subtest-4	18.21	18.14	18.12	19.80	19.27	19.29	19.25	20.70		
3GPP Rel 6	HSUPA Subtest-1	18.29	18.22	18.30	18.30	19.00	18.74	18.12	19.20		
3GPP Rel 6	HSUPA Subtest-2	18.21	18.25	18.27	18.30	18.89	18.82	19.04	19.20		
3GPP Rel 6	HSUPA Subtest-3	19.27	19.21	19.26	19.30	19.99	19.88	20.04	20.20		
3GPP Rel 6	HSUPA Subtest-4	17.78	17.71	17.73	17.80	18.44	18.47	18.59	19.20		
3GPP Rel 6	HSUPA Subtest-5	19.21	19.10	19.24	19.30	19.76	19.79	20.09	20.20		
3GPP Rel 7	ISPA+ (10QAM) Subtest	18.15	18.02	18.22	19.30	18.70	18.72	19.00	20.20		

Band		WCDMA V_Ant 13				WCDMA V_Ant 41				Tune-up Limit (dBm)
TX Channel		4132	4182	4233	Tune-up Limit (dBm)	4132	4182	4233		
Rx Channel		4357	4407	4458	4357	4407	4458			
Frequency (MHz)		826.4	836.4	846.6	826.4	836.4	846.6			
3GPP Rel 99	AMR 12.2Kbps	22.86	22.89	23.01	24.00	22.94	23.01	23.12	24.00	
3GPP Rel 99	RMC 12.2Kbps	22.88	23.04	23.02	24.00	22.96	23.14	23.13	24.00	
3GPP Rel 6	HS-DPA Subtest-1	21.84	21.89	21.99	23.00	21.91	22.04	22.09	23.00	
3GPP Rel 6	HS-DPA Subtest-2	21.83	21.86	21.98	23.00	21.91	21.97	22.07	23.00	
3GPP Rel 6	HS-DPA Subtest-3	21.35	21.38	21.53	22.50	21.45	21.50	21.58	22.50	
3GPP Rel 6	HS-DPA Subtest-4	21.32	21.35	21.43	22.50	21.42	21.44	21.56	22.50	
3GPP Rel 8	DC-HS-DPA Subtest-1	21.78	21.82	21.83	23.00	21.86	21.94	21.95	23.00	
3GPP Rel 8	DC-HS-DPA Subtest-2	21.77	21.78	21.83	23.00	21.80	21.85	22.02	23.00	
3GPP Rel 8	DC-HS-DPA Subtest-3	21.19	21.25	21.41	22.50	21.31	21.37	21.51	22.50	
3GPP Rel 8	DC-HS-DPA Subtest-4	21.22	21.30	21.38	22.50	21.29	21.32	21.47	22.50	
3GPP Rel 6	HS-PA Subtest-1	20.90	20.90	21.00	21.00	20.84	20.99	20.92	21.00	
3GPP Rel 6	HS-PA Subtest-2	20.94	20.90	20.98	21.00	20.93	20.95	20.89	21.00	
3GPP Rel 6	HS-PA Subtest-3	21.92	21.96	21.98	22.00	21.99	21.82	21.90	22.00	
3GPP Rel 6	HS-PA Subtest-4	20.44	20.42	20.49	20.50	20.46	20.32	20.47	20.50	
3GPP Rel 6	HS-PA Subtest-5	21.90	21.80	21.90	22.00	21.90	21.93	21.90	22.00	
3GPP Rel 7	SP-AP (10QAM) Subtest	20.80	20.79	20.84	22.00	20.77	20.83	20.84	22.00	

GSM1900_Ant.41		Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
TX Channel		128	169	251		128	169	251	
Frequency (MHz)		32.23	32.24	32.45	33.50	23.23	23.24	23.45	
GSM 1 Tx slot		32.23	32.20	32.46	33.50	23.23	23.20	23.46	24.50
GPRS 1 Tx slot		32.25	32.22	32.49	33.50	23.25	23.22	23.49	24.50
GPRS 2 Tx slots		30.57	30.69	30.68	31.50	24.57	24.69	24.68	25.50
GPRS 3 Tx slots		28.63	28.56	28.80	29.50	24.37	24.30	24.54	25.24
GPRS 4 Tx slots		27.13	27.04	27.31	28.00	24.13	24.04	24.31	25.00
EDGE 1 Tx slot		26.81	26.66	26.94	27.50	17.81	17.66	17.94	18.50
EDGE 2 Tx slots		24.74	24.53	24.88	25.50	18.74	18.53	18.88	19.50
EDGE 3 Tx slots		22.42	22.37	22.78	23.50	18.16	18.11	18.52	19.24
EDGE 4 Tx slots		20.81	20.57	21.13	22.00	17.81	17.57	18.13	19.00

GSM1900_Ant. 31		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel						Frequency (MHz)			
Frequency (MHz)		150.2	150.3	150.33	150.2	150.3	150.33		
GSM 1 Tx slot		29.30	29.46	29.75	30.50	20.30	20.30	20.46	21.50
GPRS 1 Tx slot		29.28	29.44	29.76	30.50	20.28	20.44	20.76	21.50
GPRS 2 Tx slots		26.51	26.60	26.46	27.00	20.51	20.60	20.46	21.00
GPRS 3 Tx slots		23.84	23.93	24.34	25.00	19.58	19.67	20.08	20.74
GPRS 4 Tx slots		22.79	22.90	23.31	24.00	19.79	19.90	20.31	21.00
EDGE 1 Tx slot		25.87	25.90	25.92	26.50	16.87	16.90	16.92	17.50
EDGE 2 Tx slots		24.07	24.19	24.37	24.50	18.07	18.19	18.37	18.50
EDGE 3 Tx slots		21.47	21.97	21.99	22.50	17.21	17.71	17.73	18.24
EDGE 4 Tx slots		19.75	19.98	20.01	21.00	16.75	16.98	17.01	18.00

Band		WCDMA IV_Ant.31					Tune-up Limit (dBm)	WCDMA IV_Ant.31					Tune-up Limit (dBm)
Tx Channel		1312	1413	1513									
Rx Channel		1537	1638	1738									
Frequency (MHz)		1712.4	1732.6	1752.6									
3GPP Rel 99	AMR 12.2Kbps	20.03	20.21	20.13	21.30	20.58	20.68	20.62	21.70				
3GPP Rel 99	RMC 12.2Kbps	20.05	20.25	20.15	21.30	20.54	20.70	20.60	21.70				
3GPP Rel 6	HSDPA Subtest-1	18.94	19.03	19.03	20.30	19.50	19.37	19.59	20.70				
3GPP Rel 6	HSDPA Subtest-2	18.93	18.91	19.03	20.30	19.42	19.42	19.37	20.70				
3GPP Rel 6	HSDPA Subtest-3	18.56	18.54	18.60	19.80	19.02	18.95	19.02	20.20				
3GPP Rel 6	HSDPA Subtest-4	18.49	18.41	18.51	19.80	18.85	18.85	19.98	20.20				
3GPP Rel 8	DC-HSDPA Subtest-1	18.92	19.01	18.96	20.30	19.02	18.91	19.02	20.70				
3GPP Rel 8	DC-HSDPA Subtest-2	18.64	18.87	18.85	20.30	18.83	18.78	18.90	20.70				
3GPP Rel 8	DC-HSDPA Subtest-3	18.50	18.42	18.51	19.80	18.47	18.52	18.51	20.20				
3GPP Rel 8	DC-HSDPA Subtest-4	18.27	18.35	18.36	19.80	18.35	18.35	18.30	20.20				
3GPP Rel 6	HSUPA Subtest-1	18.23	18.23	18.23	19.30	18.40	18.40	18.53	19.50				
3GPP Rel 6	HSUPA Subtest-2	18.20	18.20	18.15	18.30	18.49	18.47	18.42	18.70				
3GPP Rel 6	HSUPA Subtest-3	18.23	19.21	19.28	19.30	19.54	19.48	19.45	19.70				
3GPP Rel 6	HSUPA Subtest-4	17.75	17.75	17.70	17.80	18.27	18.15	18.24	19.70				
3GPP Rel 6	HSUPA Subtest-5	19.23	19.29	19.25	19.30	19.50	19.56	19.52	19.70				
3GPP Rel 6	SPA+ (10QAM) Subtest	18.18	18.28	18.18	19.30	18.45	18.54	18.44	19.70				



Reduced Power for DSI 5

Band 2_Ant 13											
RF (MHz)	Modulation	RB Size	RB Offset	Power Line Cx / Freq. Ch. / Freq. Ch.	Power Max / Min / Peak	Power Min / Max / Peak	Turn-on time (ms)	MPE (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	20.24	20.25	20.26					
20	QPSK	1	48	20.28	20.27	20.43	21.5	0			
20	QPSK	1	96	20.23	20.28	20.38					
20	QPSK	50	0	20.27	20.45	20.43					
20	QPSK	50	24	20.31	20.31	20.48	21.5	0			
20	QPSK	50	50	20.15	20.33	20.31					
20	QPSK	50	0	20.25	20.48	20.48					
20	HQAM	1	0	20.42	20.46	20.46					
20	HQAM	1	48	20.59	20.59	20.52	21.5	0			
20	HQAM	1	96	20.17	20.47	20.48					
20	HQAM	50	0	20.26	20.27	20.54					
20	HQAM	50	24	20.17	20.31	20.53	21.5	0			
20	HQAM	50	50	20.17	20.31	20.53					
20	HQAM	100	0	20.20	20.27	20.48					
20	HQAM	1	0	20.33	20.40	20.50					
20	HQAM	1	48	20.48	20.42	20.51	21.5	0			
20	HQAM	1	96	20.17	20.47	20.48					
20	HQAM	50	0	19.37	19.42	19.50					
20	HQAM	50	24	19.30	19.33	19.48	20.5	1			
20	HQAM	50	50	19.31	19.38	19.51					
20	HQAM	100	0	19.35	19.31	19.47					
Channel											
Frequency (MHz)											
15	QPSK	1	0	20.11	20.19	20.19					
15	QPSK	1	47	20.14	20.48	20.29	21.5	0			
15	QPSK	1	74	20.10	20.30	20.33					
15	QPSK	50	0	20.27	20.33	20.38					
15	QPSK	50	20	20.22	20.40	20.22	21.5	0			
15	QPSK	50	50	20.24	20.38	20.22					
15	HQAM	1	0	20.30	20.40	20.38					
15	HQAM	1	47	20.48	20.42	20.21	21.5	0			
15	HQAM	1	74	20.21	20.38	20.43					
15	HQAM	50	0	20.18	20.22	20.40					
15	HQAM	50	20	20.27	20.33	20.40	21.5	0			
15	HQAM	50	50	20.15	20.28	20.43					
15	HQAM	75	0	20.18	20.27	20.40					
15	HQAM	75	40	20.28	20.38	20.42	21.5	0			
15	HQAM	1	0	20.33	20.41	20.38					
15	HQAM	1	47	20.35	20.44	20.52					
15	HQAM	50	0	19.33	19.44	19.45					
15	HQAM	50	20	19.27	19.30	19.37	20.5	1			
15	HQAM	50	50	19.35	19.38	19.40					
15	HQAM	75	0	19.32	19.18	19.45					
Channel											
Frequency (MHz)											
10	QPSK	1	0	20.21	20.23	20.20					
10	QPSK	1	25	20.22	20.51	20.42	21.5	0			
10	QPSK	1	49	20.14	20.23	20.33					
10	QPSK	25	0	20.32	20.47	20.40					
10	QPSK	25	12	20.29	20.41	20.29	21.5	0			
10	QPSK	25	37	20.18	20.47	20.21					
10	QPSK	50	0	20.25	20.43	20.27					
10	HQAM	1	0	20.45	20.31	20.38					
10	HQAM	1	49	20.55	20.51	20.48	21.5	0			
10	HQAM	1	99	20.22	20.48	20.40					
10	HQAM	25	0	20.28	20.34	20.40					
10	HQAM	25	12	20.14	20.28	20.55	21.5	0			
10	HQAM	1	0	20.34	20.34	20.40					
10	HQAM	1	25	20.59	20.30	20.48	21.5	0			
10	HQAM	1	49	19.42	19.42	19.38					
10	HQAM	25	0	19.33	19.29	19.40					
10	HQAM	25	12	19.13	19.32	19.41	20.5	1			
10	HQAM	25	37	19.32	19.19	19.43					
10	HQAM	50	0	19.35	19.27	19.41					
Channel											
Frequency (MHz)											
5	QPSK	1	0	20.18	20.22	20.28					
5	QPSK	1	12	20.20	20.58	20.40	21.5	0			
5	QPSK	1	24	20.12	20.21	20.32					
5	QPSK	12	0	20.23	20.42	20.43					
5	QPSK	12	6	20.14	20.35	20.35					
5	QPSK	12	13	20.24	20.52	20.35	21.5	0			
5	QPSK	25	0	20.24	20.50	20.24					
5	HQAM	1	0	20.30	20.52	20.54					
5	HQAM	1	12	20.58	20.53	20.37	21.5	0			
5	HQAM	1	24	20.24	20.50	20.41					
5	HQAM	12	0	20.28	20.14	20.50					
5	HQAM	12	6	20.30	20.27	20.48	21.5	0			
5	HQAM	12	13	20.11	20.18	20.57					
5	HQAM	25	0	20.07	20.31	20.44					
5	HQAM	1	0	20.36	20.47	20.45					
5	HQAM	1	12	20.51	20.35	20.45	21.5	0			
5	HQAM	1	24	20.13	20.35	20.45					
5	HQAM	12	0	19.37	19.33	19.54					
5	HQAM	12	6	19.32	19.30	19.42	20.5	1			
5	HQAM	12	13	19.21	19.28	19.54					
5	HQAM	25	0	19.36	19.21	19.52					
Channel											
Frequency (MHz)											
1	QPSK	1	0	20.21	20.25	20.11					
1	QPSK	1	8	20.17	20.44	20.31	21.5	0			
1	QPSK	1	14	20.16	20.23	20.28					
1	QPSK	8	0	20.24	20.47	20.40					
1	QPSK	8	7	20.32	20.58	20.17	21.5	0			
1	QPSK	8	7	20.58	20.44	20.17					
1	QPSK	16	0	20.20	20.48	20.20					
1	HQAM	1	0	20.30	20.43	20.38					
1	HQAM	1	8	20.47	20.44	20.55	21.5	0			
1	HQAM	1	14	20.25	20.44	20.44					
1	HQAM	8	0	20.18	20.49	20.45					
1	HQAM	8	7	20.04	20.18	20.50					
1	HQAM	8	4	20.10	20.28	20.42	21.5	0			
1	HQAM	16	0	20.28	20.49	20.45					
1	HQAM	16	0	20.47	20.48	20.50	21.5	0			
1	HQAM	16	8	20.58	20.48	20.50					
1	HQAM	8	0	19.52	19.28	19.43					
1	HQAM	8	4	19.21	19.28	19.34	20.5	1			
1	HQAM	8	7	19.24	19.18	19.58					
1	HQAM	16	0	19.22	19.16	19.54					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	20.20	20.20	20.20					
1.4	QPSK	1	5	20.26	20.52	20.30	21.5	0			
1.4	QPSK	1	5	20.17	20.30	20.36					
1.4	QPSK	3	0	20.22	20.41	20.24					
1.4	QPSK	3	3	20.18	20.44	20.24	21.5	0			
1.4	QPSK	3	0	20.22	20.40	20.50					
1.4	QPSK	3	3	20.25	20.37	20.52					
1.4	HQAM	1	0	20.35	20.37	20.52					
1.4	HQAM	1	5	20.49	20.48	20.48	21.5	0			
1.4	HQAM	1	5	20.18	20.22	20.52					
1.4	HQAM	3	0	20.25	20.19	20.48					
1.4	HQAM	3	0	20.25	20.17	20.39	21.5	0			
1.4	HQAM	3	5	20.18	20.22	20.52					
1.4	HQAM	1	0	20.44	20.38	20.47					
1.4	HQAM	1	5	20.05	20.37	20.48	21.5	0			
1.4	HQAM	1	5	20.30	20.30	20.50					
1.4	HQAM	3	0	20.30	20.28	20.48					
1.4	HQAM	3	5	20.19	20.32	20.45	20.5	1			
1.4	HQAM	5	0	19.27	19.22	19.30					

Band 2_Ant 31											
RF (MHz)	Modulation	RB Size	RB Offset	Power Line Cx / Freq. Ch. / Freq. Ch.	Power Max / Min / Peak	Power Min / Max / Peak	Turn-on time (ms)	MPE (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	20.36	20.29	20.26					
20	QPSK	1	48	20.41	20.55	20.53	21.5	0			
20	QPSK	1	96	20.38	20.46	20.38					
20	QPSK	1	144	20.43	20.54	20.43					
20	QPSK	50	24	20.38	20.46	20.42	21.5	0			
20	QPSK	50	70	20.37	20.39	20.36					
20	QPSK	27	20	20.37	20.42	20.37					
20	HQPSK	1	0	20.25	20.35	20.27					
20	HQPSK	1	48	20.23	20.33	20.25	21.5	0			
20	HQPSK	1	96	20.28	20.38	20.28					
20	HQPSK	1	144	20.33	20.43	20.33					
20	HQPSK	50	6	20.09	20.10	20.06					
20	HQPSK	50	50	20.09	20.10	20.06	21.5	0			
20	HQPSK	50	96	20.14	20.25	20.11					
20	HQPSK	100	6	19.98	20.11	19.94					
20	HQPSK	100	50	19.98	20.11	19.94	21.5	0			
20	HQPSK	1	48	20.11	20.15	20.14	21.5	0			
20	HQPSK	1	96	20.04	20.10	20.05					
20	HQPSK	1	144	20.09	20.18	20.09					
20	HQPSK	50	24	19.99	20.04	19.98	21.5	0			
20	HQPSK	50	70	19.99	20.04	19.98					
20	HQPSK	50	96	19.99	20.04	19.98					
20	HQPSK	100	6	19.88	19.92	19.85					
Channel				18650	18660	18150	Turn-on time (ms)	MPE (dB)			
15	QPSK	1	0	20.22	20.10	20.23					
15	QPSK	1	47	20.33	20.49	20.48	21.5	0			
15	QPSK	1	95	20.33	20.49	20.48					
15	QPSK	36	0	20.27	20.20	20.30					
15	QPSK	36	36	20.38	20.32	20.26	21.5	0			
15	QPSK	36	72	20.28	20.22	20.16					
15	QPSK	72	0	20.13	20.38	20.21					
15	HQPSK	1	46	20.19	20.26	20.18	21.5	0			
15	HQPSK	1	91	20.21	20.27	20.23					
15	HQPSK	1	136	20.27	20.38	20.18					
15	HQPSK	36	0	20.05	20.30	20.14					
15	HQPSK	36	36	20.01	20.14	19.99					
15	HQPSK	36	72	20.07	20.20	20.11					
15	HQPSK	72	0	19.81	19.93	19.85	21.5	0			
15	HQPSK	72	36	20.14	19.35	19.35					
15	HQPSK	1	27	19.98	20.09	19.93					
15	HQPSK	1	72	19.94	20.08	19.94					
15	HQPSK	36	0	19.69	19.78	19.74					
15	HQPSK	36	36	19.78	19.88	19.88					
15	HQPSK	36	72	19.81	19.85	19.85	21.5	0.5			
15	HQPSK	72	0	19.80	19.79	19.75					
Channel				18650	18660	18150	Turn-on time (ms)	MPE (dB)			
10	QPSK	1	0	20.26	20.19	20.22					
10	QPSK	1	47	20.43	20.49	20.49	21.5	0			
10	QPSK	1	95	20.32	20.31	20.32					
10	QPSK	25	0	20.19	20.27	20.23					
10	QPSK	25	25	20.35	20.40	20.35					
10	QPSK	25	25	20.34	20.26	20.22					
10	QPSK	50	0	20.27	20.29	20.16					
10	QPSK	50	25	20.13	20.28	20.16	21.5	0			
10	HQPSK	1	0	20.23	20.25	20.25					
10	HQPSK	1	46	20.33	20.39	20.33					
10	HQPSK	1	90	20.06	20.01	19.97					
10	HQPSK	25	0	19.98	20.04	19.93					
10	HQPSK	25	25	20.07	20.07	19.98	21.5	0			
10	HQPSK	50	0	19.93	20.08	19.89					
10	HQPSK	50	25	20.20	20.32	20.26					
10	HQPSK	50	50	20.03	20.03	19.93	21.5	0.5			
10	HQPSK	1	46	19.95	20.05	19.87					
10	HQPSK	1	90	19.77	19.88	19.78					
10	HQPSK	25	0	19.78	19.86	19.78					
10	HQPSK	25	25	19.77	19.83	19.88	21.5	0.5			
10	HQPSK	50	0	19.83	19.88	19.88					
Channel				18650	18660	18150	Turn-on time (ms)	MPE (dB)			
5	QPSK	1	0	20.21	20.11	20.13					
5	QPSK	1	12	20.38	20.41	20.43	21.5	0			
5	QPSK	1	24	20.37	20.30	20.26					
5	QPSK	1	36	20.37	20.30	20.26					
5	QPSK	14	7	20.38	20.38	20.28					
5	QPSK	15	13	20.23	20.20	20.31					
5	QPSK	15	27	20.27	20.40	20.40	21.5	0			
5	HQPSK	1	0	20.25	20.20	20.23					
5	HQPSK	1	12	20.28	20.28	20.28					
5	HQPSK	1	24	20.27	20.41	20.37					
5	HQPSK	14	6	20.02	20.04	19.92					
5	HQPSK	14	13	20.05	20.10	19.95	21.5	0			
5	HQPSK	25	0	19.97	20.10	19.93					
5	HQPSK	25	13	19.95	20.30	20.15					
5	HQPSK	1	12	20.04	20.04	19.93	21.5	0			
5	HQPSK	15	24	19.71	19.85	19.71					
5	HQPSK	15	37	19.78	19.81	19.87					
5	HQPSK	15	50	19.77	19.86	19.78	21.5	0.5			
5	HQPSK	25	0	19.71	19.78	19.72					
Channel				18650	18660	18150	Turn-on time (ms)	MPE (dB)			
3	QPSK	1	0	20.24	20.10	20.17					
3	QPSK	1	8	20.40	20.54	20.58	21.5	0			
3	QPSK	1	16	20.39	20.48	20.48					
3	QPSK	8	0	20.28	20.35	20.30					
3	QPSK	8	8	20.38	20.43	20.36	21.5	0			
3	QPSK	8	16	20.30	20.24	20.24					
3	QPSK	16	0	20.12	20.30	20.14					
3	HQPSK	1	0	20.22	20.22	20.22					
3	HQPSK	1	14	20.34	20.27	20.14	21.5	0			
3	HQPSK	1	28	20.21	20.21	20.18					
3	HQPSK	8	0	20.05	20.08	19.98					
3	HQPSK	8	7	20.00	20.22	19.98	21.5	0			
3	HQPSK	8	14	20.01	20.22	19.98					
3	HQPSK	16	0	20.08	20.26	20.12					
3	HQPSK	16	8	20.08	20.00	19.98	21.5	0			
3	HQPSK	16	16	20.00	20.00	19.98					
3	HQPSK	8	0	19.64	19.79	19.74					
3	HQPSK	8	8	19.78	19.86	19.78					
3	HQPSK	8	16	19.79	19.82	19.87	21.5	0.5			
3	HQPSK	16	0	19.73	19.78	19.73					
Channel				18650	18660	18050	Turn-on time (ms)	MPE (dB)			
1.4	QPSK	1	0	20.21	20.23	20.11					
1.4	QPSK	1	0	20.21	20.23	20.11					
1.4	QPSK	1	6	20.34	20.34	20.24	21.5	0			
1.4	QPSK	3	0	20.24	20.38	20.26					
1.4	QPSK	3	3	20.38	20.38	20.28					
1.4	QPSK	3	6	20.28	20.37	20.22					
1.4	QPSK	3	9	20.21	20.22	20.21	21.5	0			
1.4	HQPSK	1	0	20.23	20.28	20.26					
1.4	HQPSK	1	3	20.30	20.30	20.23	21.5	0			
1.4	HQPSK	3	0	20.00	20.00	19.95					
1.4	HQPSK	3	3	20.07	20.08	19.94					
1.4	HQPSK	3	6	20.10	20.21	20.17					
1.4	HQPSK	3	9	19.88	20.07	19.97	21.5	0			
1.4	HQPSK	3	12	19.95	20.25	20.42					
1.4	HQPSK	3	15	20.08	20.05	20.05					
1.4	HQPSK	3	18	20.42	20.42	20.42	21.5	0			
1.4	HQPSK	3	21	20.29	20.29	20.29					
1.4	HQPSK	3	24	20.30	20.29	20.23					
1.4	HQPSK	3	27	20.32	20.33	20.43	20.5				

Band 4_Ant 31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low (mW)	Power Med (mW)	Power High (mW)	Turn-up (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.26	21.22	21.22	22.5	0		
10	QPSK	1	40	21.31	21.30	21.32				
10	QPSK	1	80	21.14	21.22	21.12				
10	QPSK	50	0	21.08	21.02	21.11	22.5	0		
10	QPSK	50	24	21.23	21.26	21.14				
10	QPSK	50	50	21.04	21.04	20.93				
10	QPSK	100	0	21.02	21.07	21.06	22	0.5		
10	QPSK	100	0	21.16	21.22	21.14				
10	QPSK	100	0	21.02	21.13	21.09				
10	QPSK	1	80	21.21	21.30	21.27	22	0		
10	QPSK	50	0	20.98	20.80	20.47				
10	QPSK	50	24	20.93	20.84	20.49				
10	QPSK	50	50	20.70	20.70	20.67	22	0.5		
10	QPSK	100	0	20.83	20.84	20.81				
10	QPSK	100	0	20.87	20.70	20.63				
10	QPSK	1	80	20.68	21.10	20.96	21	1.5		
10	QPSK	1	80	21.01	21.07	20.99				
10	QPSK	50	0	19.59	19.73	19.63				
10	QPSK	50	24	19.86	19.86	19.85	Turn-up (dBm)	MPR (dB)		
10	QPSK	50	50	19.71	19.88	19.86				
10	QPSK	100	0	19.84	19.79	19.87				
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.14	21.09	21.20	22.5	0		
10	QPSK	1	80	21.08	21.04	21.20				
10	QPSK	1	80	21.05	21.11	21.07				
10	QPSK	50	0	21.08	21.02	21.11	22.5	0		
10	QPSK	50	24	21.16	21.17	21.09				
10	QPSK	50	50	20.93	21.08	20.99				
10	QPSK	100	0	20.93	21.08	20.99	22.5	0		
10	QPSK	100	0	21.03	21.15	21.05				
10	QPSK	100	0	20.87	21.13	21.08				
10	QPSK	1	80	21.18	21.30	21.16	22	0.5		
10	QPSK	50	0	20.41	20.55	20.38				
10	QPSK	50	24	20.43	20.59	20.48				
10	QPSK	50	50	20.69	20.59	20.56	22	0.5		
10	QPSK	100	0	20.54	20.58	20.49				
10	QPSK	100	0	20.55	20.71	20.53				
10	QPSK	1	80	20.83	21.09	20.89	22	0.5		
10	QPSK	1	80	20.87	21.07	20.91				
10	QPSK	50	0	19.49	19.65	19.56				
10	QPSK	50	24	19.67	19.78	19.79	21	1.5		
10	QPSK	50	50	19.71	19.76	19.75				
10	QPSK	100	0	19.50	19.72	19.64				
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.14	21.02	21.00	22.5	0		
10	QPSK	1	80	21.07	21.29	21.28				
10	QPSK	1	80	21.06	21.13	21.08				
10	QPSK	50	0	21.02	21.02	21.11	22.5	0		
10	QPSK	50	24	21.18	21.24	21.11				
10	QPSK	50	50	20.93	20.90	20.90				
10	QPSK	100	0	20.87	21.06	20.98	22.5	0		
10	QPSK	100	0	21.07	21.23	21.09				
10	QPSK	100	0	20.94	21.09	20.98				
10	QPSK	1	80	21.24	21.25	21.23	22	0.5		
10	QPSK	50	0	20.40	20.51	20.44				
10	QPSK	50	24	20.49	20.69	20.54				
10	QPSK	50	50	20.69	20.64	20.59	22	0.5		
10	QPSK	100	0	20.54	20.58	20.49				
10	QPSK	100	0	20.55	20.69	20.54				
10	QPSK	1	80	20.96	21.09	20.89	22	0.5		
10	QPSK	1	80	20.97	21.07	20.91				
10	QPSK	50	0	19.49	19.66	19.50				
10	QPSK	50	24	19.73	19.76	19.79	21	1.5		
10	QPSK	50	50	19.73	19.76	19.79				
10	QPSK	100	0	19.52	19.77	19.75				
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.19	21.05	20.94	22.5	0		
10	QPSK	1	80	21.18	21.11	21.20				
10	QPSK	1	80	20.99	21.20	21.04				
10	QPSK	50	0	21.03	21.11	21.00	22.5	0		
10	QPSK	50	24	21.16	21.22	21.10				
10	QPSK	50	50	20.94	20.90	20.79				
10	QPSK	100	0	20.95	21.10	21.01	22.5	0		
10	QPSK	100	0	21.13	21.22	21.06				
10	QPSK	100	0	20.98	21.10	20.99				
10	QPSK	1	80	20.94	20.49	20.40	22	0.5		
10	QPSK	50	0	20.49	20.58	20.38				
10	QPSK	50	24	20.58	20.70	20.64				
10	QPSK	50	50	20.59	20.56	20.61	22	0.5		
10	QPSK	100	0	20.67	20.60	20.63				
10	QPSK	100	0	20.85	21.02	20.80				
10	QPSK	1	80	20.88	20.92	20.87	21	1.5		
10	QPSK	50	0	19.43	19.68	19.50				
10	QPSK	50	24	19.73	19.76	19.79				
10	QPSK	50	50	19.56	19.65	19.75	Turn-up (dBm)	MPR (dB)		
10	QPSK	100	0	19.84	19.79	19.87				
10	QPSK	100	0	19.87	19.76	19.85				
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.19	21.07	20.97	22.5	0		
10	QPSK	1	80	21.18	21.10	21.20				
10	QPSK	1	80	21.09	21.12	21.02				
10	QPSK	50	0	21.08	21.02	21.11	22.5	0		
10	QPSK	50	24	21.16	21.18	21.10				
10	QPSK	50	50	20.95	21.08	20.92				
10	QPSK	100	0	20.95	21.10	21.00	22.5	0		
10	QPSK	100	0	21.07	21.19	21.02				
10	QPSK	100	0	20.99	21.02	20.99				
10	QPSK	1	80	21.23	21.23	21.23	22.5	0		
10	QPSK	1	80	21.03	21.13	21.03				
10	QPSK	50	0	20.49	20.50	20.40				
10	QPSK	50	24	20.59	20.62	20.51	22.5	0		
10	QPSK	50	50	20.68	20.68	20.59				
10	QPSK	100	0	20.68	20.68	20.59				
10	QPSK	1	80	20.94	20.94	20.94	22.5	0		
10	QPSK	50	0	20.49	20.62	20.54				
10	QPSK	50	24	20.58	20.64	20.54				
10	QPSK	50	50	20.71	20.79	20.78	Turn-up (dBm)	MPR (dB)		
10	QPSK	100	0	20.71	20.79	20.78				
10	QPSK	100	0	20.71	20.79	20.78				

Band 7_Ant 13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch 1 (W)	Power Modulo Ch 1 (W)	Power High Ch 1 (W)	Turn-up time (s)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	17.15	17.25	17.35				
20	QPSK	1	48	17.45	17.52	17.53	18.5	0		
20	QPSK	1	96	17.15	17.37	17.45				
20	QPSK	50	0	17.15	17.35	17.43				
20	QPSK	50	24	17.25	17.35	17.43	18.5	0		
20	QPSK	50	50	17.17	17.41	17.40				
20	QPSK	100	0	17.15	17.35	17.35				
20	16QAM	1	0	17.36	17.52	17.48				
20	16QAM	1	48	17.52	17.52	17.25	18.5	0		
20	16QAM	1	96	17.24	17.41	17.53				
20	16QAM	50	0	16.92	17.48	17.29				
20	16QAM	50	24	16.90	17.57	17.50				
20	16QAM	50	50	16.97	17.14	17.57	18.5	0		
20	16QAM	100	0	16.93	17.12	17.38				
20	16QAM	1	0	17.07	17.10	17.29				
20	16QAM	1	48	17.28	17.30	17.48	18.5	0		
20	16QAM	1	96	17.11	17.26	17.34				
20	16QAM	50	0	17.18	17.32	17.54				
20	16QAM	50	24	17.23	17.43	17.49	18.5	0		
20	16QAM	50	50	17.15	17.38	17.51				
20	16QAM	100	0	17.17	17.37	17.38				
Channel										
Frequency (MHz)										
15	QPSK	1	0	17.11	17.24	17.29			Turn-up time (s)	MPR (dB)
15	QPSK	1	37	17.38	17.61	17.52	18.5	0		
15	QPSK	1	74	17.13	17.41	17.40				
15	QPSK	50	0	17.22	17.37	17.39				
15	QPSK	50	24	17.20	17.50	17.37	18.5	0		
15	QPSK	50	50	17.18	17.47	17.41				
15	QPSK	100	0	17.15	17.32	17.37				
15	16QAM	1	0	17.30	17.47	17.41				
15	16QAM	1	37	17.25	17.34	17.48	18.5	0		
15	16QAM	1	74	16.95	17.35	17.36				
15	16QAM	50	0	16.82	16.99	17.33				
15	16QAM	50	24	16.86	17.17	17.23	18.5	0		
15	16QAM	50	50	16.85	17.11	17.46				
15	16QAM	100	0	16.88	17.12	17.32				
15	16QAM	1	0	17.04	17.03	17.38				
15	16QAM	1	37	17.25	17.34	17.48	18.5	0		
15	16QAM	1	74	16.98	17.36	17.51				
15	16QAM	50	0	17.22	17.32	17.53				
15	16QAM	50	24	17.27	17.48	17.54	18.5	0		
15	16QAM	50	50	17.00	17.35	17.35				
15	16QAM	100	0	17.08	17.38	17.32				
Channel										
Frequency (MHz)										
10	QPSK	1	0	17.10	17.12	17.33			Turn-up time (s)	MPR (dB)
10	QPSK	1	35	17.41	17.51	17.53	18.5	0		
10	QPSK	1	69	17.07	17.32	17.45				
10	QPSK	25	0	17.23	17.38	17.33	18.5	0		
10	QPSK	25	12	17.21	17.48	17.36				
10	QPSK	25	25	17.20	17.45	17.42				
10	QPSK	50	0	17.08	17.36	17.34				
10	16QAM	1	0	17.33	17.52	17.48	18.5	0		
10	16QAM	1	35	17.27	17.51	17.27				
10	16QAM	1	69	17.14	17.42	17.51				
10	16QAM	25	0	16.86	16.99	17.28	18.5	0		
10	16QAM	25	12	16.93	17.21	17.14				
10	16QAM	25	25	16.94	17.05	17.58				
10	16QAM	50	0	16.98	17.03	17.43				
10	16QAM	1	0	17.04	17.14	17.24				
10	16QAM	1	35	17.17	17.34	17.50	18.5	0		
10	16QAM	1	69	17.05	17.21	17.28				
10	16QAM	25	0	17.13	17.27	17.52				
10	16QAM	25	12	17.18	17.40	17.40	18.5	0		
10	16QAM	25	25	17.11	17.33	17.44				
10	16QAM	50	0	17.19	17.33	17.38				
Channel										
Frequency (MHz)										
5	QPSK	1	0	17.07	17.15	17.28			Turn-up time (s)	MPR (dB)
5	QPSK	1	12	17.42	17.60	17.58	18.5	0		
5	QPSK	1	24	17.13	17.35	17.48				
5	QPSK	12	0	17.21	17.23	17.38				
5	QPSK	12	6	17.20	17.52	17.36	18.5	0		
5	QPSK	12	13	17.15	17.35	17.37				
5	QPSK	25	0	17.07	17.37	17.28				
5	16QAM	1	0	17.32	17.43	17.44				
5	16QAM	1	12	17.27	17.48	17.28	18.5	0		
5	16QAM	1	24	17.24	17.34	17.43				
5	16QAM	12	0	16.85	16.87	17.22				
5	16QAM	12	6	16.95	17.17	17.27	18.5	0		
5	16QAM	12	13	16.93	17.10	17.53				
5	16QAM	25	0	16.91	17.04	17.38				
5	16QAM	1	0	17.01	17.02	17.25				
5	16QAM	1	12	17.22	17.42	17.42	18.5	0		
5	16QAM	1	24	17.16	17.21	17.38				
5	16QAM	12	0	17.09	17.25	17.58				
5	16QAM	12	6	17.16	17.36	17.51	18.5	0		
5	16QAM	12	13	17.14	17.38	17.50				
5	16QAM	25	0	17.09	17.32	17.41				

Band 7_Ant 31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch 1 (W)	Power Modulo Ch 1 (W)	Power High Ch 1 (W)	Turn-up time (s)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.33	20.36	20.36				
20	QPSK	1	48	20.83	20.68	20.60	22	0		
20	QPSK	1	96	20.49	20.55	20.58				
20	QPSK	50	0	20.51	20.34	20.35				
20	QPSK	50	24	20.52	20.30	20.34	22	0		
20	QPSK	50	50	20.30	20.27	20.51				
20	QPSK	100	0	20.43	20.55	20.35				
20	16QAM	1	0	20.43	20.57	20.33				
20	16QAM	1	48	20.57	20.55	20.55	22	0		
20	16QAM	1	96	20.45	20.27	20.54				
20	16QAM	50	0	19.94	20.05	20.07				
20	16QAM	50	24	20.08	20.06	20.15				
20	16QAM	50	50	20.07	19.92	20.33	21.5	0.5		
20	16QAM	100	0	20.01	19.97	20.26				
20	16QAM	1	0	20.05	19.81	20.30				
20	16QAM	1	48	20.16	20.26	20.42	21.5	0.5		
20	16QAM	1	96	20.08	19.72	20.07				
20	16QAM	50	0	19.93	19.97	19.11				
20	16QAM	50	24	19.97	19.99	19.87	20.5	1.5		
20	16QAM	50	50	19.91	19.92	19.27				
20	16QAM	100	0	19.94	19.90	19.23				
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.26	20.33	20.38				
15	QPSK	1	37	20.56	20.55	20.56	22	0		
15	QPSK	1	74	20.41	20.47	20.48				
15	QPSK	50	0	20.39	20.39	20.28				
15	QPSK	50	24	20.43	20.49	20.45	22	0		
15	QPSK	50	50	20.37	20.18	20.43				
15	QPSK	100	0	20.30	20.41	20.28				
15	16QAM	1	0	20.38	20.52	20.33				
15	16QAM	1	37	20.42	20.18	20.58	22	0		
15	16QAM	1	74	20.35	20.23	20.38				
15	16QAM	50	0	19.90	20.03	19.94				
15	16QAM	50	24	19.94	19.96	20.07	21.5	0.5		
15	16QAM	50	50	19.92	19.81	20.25				
15	16QAM	100	0	20.01	19.94	20.17				
15	16QAM	1	0	20.03	19.72	20.11	21.5	0.5		
15	16QAM	1	37	20.08	20.14	20.38				
15	16QAM	1	69	19.97	19.95	20.08				
15	16QAM	50	0	19.78	19.90	19.11				
15	16QAM	50	24	19.90	19.88	19.94	20.5	1.5		
15	16QAM	50	50	19.87	19.86	19.97				
15	16QAM	100	0	19.92	19.78	19.14				
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.24	20.30	20.33				
10	QPSK	1	12	20.60	20.60	20.45	22	0		
10	QPSK	1	24	20.48	20.43	20.52				
10	QPSK	1	36	20.34	20.34	20.44				
10	QPSK	12	7	20.40	20.49	20.43	22	0		
10	QPSK	12	13	20.29	20.16	20.45				
10	QPSK	12	19	20.41	20.49	20.47				
10	16QAM	1	0	20.28	20.27	20.35				
10	16QAM	1	12	20.40	20.40	20.42	22	0		
10	16QAM	1	24	20.34	20.22	20.48				
10	16QAM	12	0	19.89	19.95	19.95				
10	16QAM	12	6	19.92	19.88	19.92				
10	16QAM	12	13	19.97	19.91	20.23	21.5	0.5		
10	16QAM	25	0	19.88	19.82	20.18				
10	16QAM	25	6	19.92	19.73	20.00				
10	16QAM	1	12	20.01	20.20	20.27	21.5	0.5		
10	16QAM	1	24	19.94	19.89	20.01				
10	16QAM	12	18	19.87	19.87	19.99				
10	16QAM	12	7	19.83	19.85	19.92	20.5	1.5		
10	16QAM	12	13	19.82	19.80	19.14				
10	16QAM	12	19	19.82	19.82	19.82				



Reduced Power for DSI 5

Band 12_Ant 41												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (mW)	Power Middle Ch. 1 (mW)	Power High Ch. 1 (mW)	Turn-on time (s)	MFR (dB)				
Channel												
23005 23005 23135												
Frequency (MHz)												
10	QPSK	1	0	23.23	23.25	23.27	24.5	0				
10	QPSK	1	26	23.49	23.53	23.41						
10	QPSK	1	49	23.47	23.49	23.41						
10	QPSK	25	0	23.43	23.45	23.33	23.5	1				
10	QPSK	25	12	22.44	22.47	22.33						
10	QPSK	25	25	22.38	22.38	22.24						
10	QPSK	50	0	22.51	22.53	22.30	23.5	1				
10	QPSK	50	0	22.42	22.77	22.41						
10	QPSK	50	0	22.42	22.77	22.41						
10	QPSK	1	26	22.68	22.61	22.46	22.5	1				
10	QPSK	1	49	22.48	22.51	22.35						
10	QPSK	25	1	21.40	21.39	21.31						
10	QPSK	25	1	21.44	21.36	21.36	22.5	2				
10	QPSK	25	25	21.38	21.32	21.18						
10	QPSK	50	0	21.48	21.48	21.15						
10	QPSK	1	0	21.55	21.40	21.53	22.5	2				
10	QPSK	1	26	21.71	21.68	21.32						
10	QPSK	1	49	21.69	21.70	21.32						
10	QPSK	25	12	20.57	20.56	20.50	21.5	3				
10	QPSK	25	25	20.59	20.61	20.39						
10	QPSK	50	0	20.65	20.66	20.30						
Channel												
23005 23005 23135												
Frequency (MHz)												
5	QPSK	1	0	23.33	23.38	23.39	24.5	0				
5	QPSK	1	12	23.42	23.45	23.46						
5	QPSK	1	24	23.58	23.51	23.24						
5	QPSK	12	0	23.31	23.27	23.40	23.5	1				
5	QPSK	12	7	22.26	22.31	22.32						
5	QPSK	12	14	22.18	22.18	22.18						
5	QPSK	25	0	22.27	22.34	22.35	23.5	1				
5	QPSK	25	0	22.27	22.34	22.35						
5	QPSK	25	0	22.27	22.34	22.35						
5	QPSK	1	0	22.83	22.89	22.38	22.5	1				
5	QPSK	1	12	22.83	22.87	22.15						
5	QPSK	1	24	22.48	22.73	22.68						
5	QPSK	12	0	21.23	21.53	21.38	22.5	2				
5	QPSK	12	7	21.25	21.29	21.24						
5	QPSK	12	14	21.15	21.18	21.18						
5	QPSK	25	0	21.30	21.40	21.38	22.5	2				
5	QPSK	25	0	21.58	21.50	21.58						
5	QPSK	1	12	21.12	21.61	21.58						
5	QPSK	1	24	21.16	21.50	21.58	21.5	3				
5	QPSK	12	0	20.52	20.50	20.43						
5	QPSK	12	14	20.77	20.40	20.40						
5	QPSK	25	0	20.53	20.54	20.36	21.5	3				
5	QPSK	25	0	20.53	20.54	20.36						
5	QPSK	25	0	20.53	20.54	20.36						
Channel												
23005 23005 23135												
Frequency (MHz)												
3	QPSK	1	0	23.10	23.25	23.33	24.5	0				
3	QPSK	1	8	23.30	23.38	23.35						
3	QPSK	1	14	23.28	23.36	23.31						
3	QPSK	3	0	23.24	23.23	23.27	23.5	1				
3	QPSK	3	8	22.28	22.38	22.24						
3	QPSK	3	14	22.20	22.34	22.20						
3	QPSK	6	0	22.27	22.37	22.22	23.5	1				
3	QPSK	6	0	22.27	22.37	22.22						
3	QPSK	6	0	22.27	22.37	22.22						
3	QPSK	1	14	22.33	22.30	22.30	22.5	2				
3	QPSK	1	8	21.39	21.33	21.37						
3	QPSK	1	0	21.32	21.38	21.34						
3	QPSK	15	0	21.32	21.38	21.44	22.5	2				
3	QPSK	15	0	21.32	21.38	21.44						
3	QPSK	15	0	21.32	21.38	21.44						
3	QPSK	1	8	21.34	21.53	21.12	22.5	2				
3	QPSK	1	14	21.65	21.50	21.54						
3	QPSK	3	0	21.55	21.46	21.46						
3	QPSK	3	8	20.44	20.42	20.33	21.5	3				
3	QPSK	3	14	20.44	20.42	20.33						
3	QPSK	6	0	20.56	20.47	20.40						
3	QPSK	6	0	20.56	20.47	20.40	21.5	3				
3	QPSK	6	0	20.56	20.47	20.40						
3	QPSK	6	0	20.56	20.47	20.40						
Channel												
23005 23005 23135												
Frequency (MHz)												
1.4	QPSK	1	0	23.11	23.29	23.36	24.5	0				
1.4	QPSK	1	3	23.24	23.52	23.40						
1.4	QPSK	1	6	23.03	23.48	23.40						
1.4	QPSK	3	0	23.31	23.29	23.27	23.5	1				
1.4	QPSK	3	3	23.17	23.30	23.57						
1.4	QPSK	3	6	23.32	23.30	23.33						
1.4	QPSK	6	0	22.39	22.38	22.25	23.5	1				
1.4	QPSK	6	0	22.34	22.73	22.52						
1.4	QPSK	6	0	22.72	22.82	22.46						
1.4	QPSK	1	3	22.59	22.63	22.58	22.5	1				
1.4	QPSK	1	6	22.59	22.63	22.58						
1.4	QPSK	3	1	22.52	22.30	22.23						
1.4	QPSK	3	3	22.51	22.40	22.18	22.5	2				
1.4	QPSK	6	0	21.32	21.42	21.30						
1.4	QPSK	1	0	21.37	21.36	21.05						
1.4	QPSK	1	3	21.38	21.08	21.25	22.5	2				
1.4	QPSK	3	0	24.17	21.48	21.22						
1.4	QPSK	3	1	21.40	21.10	21.33						
1.4	QPSK	3	3	21.48	21.53	21.52	21.5	3				
1.4	QPSK	6	0	20.49	20.41	20.28						
1.4	QPSK	6	0	20.49	20.41	20.28						

Band 13_Ant 13												
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. 1 (mW)	Power Ch. 2 (mW)	Power Ch. 3 (mW)	Turn-up time (s)	MPR (dB)				
Channel												
23005 23005 23135												
Frequency (MHz)												
10	QPSK	1	0	23.46	23.46	23.46	24.5					
10	QPSK	1	26	23.52	23.52	23.52						
10	QPSK	1	49	23.44	23.44	23.44						
10	QPSK	25	0	22.50	22.50	22.50	23.5	1				
10	QPSK	25	12	22.45	22.45	22.45						
10	QPSK	25	25	22.45	22.45	22.45						
10	QPSK	50	0	22.51	22.51	22.51	23.5	1				
10	QPSK	50	0	22.51	22.51	22.51						
10	QPSK	50	0	22.51	22.51	22.51						
10	QPSK	1	26	22.57	22.57	22.57	22.5	1				
10	QPSK	1	49	22.51	22.51	22.51						
10	QPSK	25	0	21.56	21.56	21.56						
10	QPSK	25	12	21.56	21.56	21.56	22.5	2				
10	QPSK	25	25	21.56	21.56	21.56						
10	QPSK	50	0	21.44	21.44	21.44						
10	QPSK	50	0	21.49	21.49	21.49	22.5	2				
10	QPSK	50	0	21.55	21.55	21.55						
10	QPSK	1	26	21.85	21.85	21.85						
10	QPSK	1	49	21.52	21.52	21.52	21.5	3				
10	QPSK	25	0	20.55	20.55	20.55						
10	QPSK	25	12	20.53	20.53	20.53						
10	QPSK	25	25	20.48	20.48	20.48	21.5	3				
10	QPSK	50	0	20.47	20.47	20.47						
10	QPSK	50	0	20.47	20.47	20.47						
Channel												
23005 23005 23135												
Frequency (MHz)												
5	QPSK	1	0	23.51	23.47	23.58	24.5	0				
5	QPSK	1	12	23.58	23.52	23.56						
5	QPSK	1	24	23.57	23.51	23.52						
5	QPSK	12	0	22.53	22.57	22.54	23.5	1				
5	QPSK	12	7	22.58	22.52	22.48						
5	QPSK	12	14	22.58	22.52	22.46						
5	QPSK	25	0	22.47	22.54	22.55	23.5	1				
5	QPSK	25	0	22.47	22.54	22.55						
5	QPSK	25	0	22.47	22.54	22.55						
5	QPSK	1	0	22.57	22.58	22.58	22.5	1				
5	QPSK	1	12	22.81	23.02	22.55						
5	QPSK	1	24	22.93	22.49	22.48						
5	QPSK	12	0	21.50	21.57	21.55	22.5	2				
5	QPSK	12	7	21.53	21.77	21.34						
5	QPSK	12	14	21.47	21.39	21.48						
5	QPSK	25	0	21.50	21.60	21.58	22.5	2				
5	QPSK	25	0	21.83	21.77	21.34						
5	QPSK	25	12	21.85	21.87	21.70	22.5	2				
5	QPSK	25	25	21.79	21.82	21.68						
5	QPSK	50	0	20.54	20.57	20.52	21.5	3				
5	QPSK	50	0	20.54	20.57	20.52						
5	QPSK	12	7	20.44	20.53	20.49						
5	QPSK	12	14	20.45	20.53	20.49	21.5	3				
5	QPSK	12	25	20.45	20.53	20.49						



Reduced Power for DSI 5

Band 17_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch 1 Power Ch 2 Power Ch 3	Power High Ch 1 Power Ch 2 Power Ch 3	Turn-up time (sec)	MPR (dB)		
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.30	23.30	23.30			
10	QPSK	1	36	23.43	23.43	23.43			
10	QPSK	1	48	23.41	23.17	23.32		24.5	0
10	QPSK	25	0	22.23	22.10	22.14			
10	QPSK	25	12	22.36	22.31	22.29		23.5	1
10	QPSK	25	25	22.28	22.22	22.15			
10	QPSK	25	0	22.21	22.20	22.19			
10	QPSK	1	0	22.15	22.12	22.09			
10	QPSK	1	25	22.01	22.29	22.08		23.5	1
10	QPSK	1	48	22.17	22.23	22.42			
10	QPSK	25	1	21.10	21.25	21.10			
10	QPSK	25	11	21.31	21.30	21.32			
10	QPSK	25	25	21.31	21.25	21.08		22.5	2
10	QPSK	50	0	21.27	21.14	21.10			
10	QPSK	1	0	21.07	21.42	21.10			
10	QPSK	1	26	21.48	21.03	21.53		22.5	2
10	QPSK	1	48	21.58	21.26	21.00			
10	QPSK	25	12	20.51	20.43	20.55		21.5	3
10	QPSK	25	25	20.53	20.37	20.28			
10	QPSK	50	0	20.47	20.30	20.30			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.45	23.38	23.19			
5	QPSK	1	12	23.42	23.45	23.39		24.5	0
5	QPSK	1	24	23.44	23.40	23.38			
5	QPSK	16	0	22.41	22.39	22.42			
5	QPSK	12	7	22.38	22.37	22.38		23.5	1
5	QPSK	12	10	22.38	22.38	22.39			
5	QPSK	25	0	22.38	22.38	22.35			
5	QPSK	1	0	22.40	22.49	22.43			
5	QPSK	1	10	22.45	22.00	22.00		23.5	1
5	QPSK	1	24	22.54	22.51	22.15			
5	QPSK	12	0	21.42	21.29	21.43			
5	QPSK	12	7	21.37	21.34	21.34			
5	QPSK	12	13	21.37	21.30	21.27		22.5	2
5	QPSK	25	0	21.22	21.32	21.42			
5	QPSK	1	0	21.48	21.30	21.53			
5	QPSK	1	12	21.88	21.72	21.55		22.5	2
5	QPSK	1	26	21.51	21.40	21.50			
5	QPSK	12	0	20.00	20.02	20.07			
5	QPSK	12	7	20.01	20.49	20.49		21.5	3
5	QPSK	12	13	20.54	20.42	20.37			
5	QPSK	25	0	20.54	20.57	20.52			

Band 17_Ant 41									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch 1 (dBm)	Power Ch 2 (dBm)	Power Ch 3 (dBm)	Turnup time (sec)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.38	23.39	23.43			
10	QPSK	1	26	23.53	23.54	23.44		24.5	
10	QPSK	1	48	23.33	23.39	23.40			
10	QPSK	25	0	22.20	22.20	22.20			
10	QPSK	25	12	22.35	22.41	22.33		23.5	1
10	QPSK	25	25	22.30	22.17	22.10			
10	QPSK	50	0	22.29	22.31	22.22			
10	QPSK	1	0	22.09	22.02	22.16			
10	QPSK	1	25	22.26	22.05	22.01		23.5	1
10	QPSK	1	48	22.07	22.34	22.25			
10	QPSK	25	0	21.25	21.27	21.19			
10	QPSK	25	12	21.41	21.36	21.10		22.5	2
10	QPSK	50	0	21.30	21.17	21.21			
10	QPSK	1	0	21.51	21.58	21.65			
10	QPSK	1	26	21.40	21.84	21.20		22.5	2
10	QPSK	1	48	21.57	21.65	21.47			
10	QPSK	25	12	20.54	20.54	20.53		21.5	3
10	QPSK	25	25	20.46	20.48	20.38			
10	QPSK	50	0	20.44	20.37	20.39			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.39	23.21	23.17			
5	QPSK	1	12	23.39	23.26	23.27		24.5	0
5	QPSK	1	24	23.22	23.25	23.24			
5	QPSK	16	0	22.26	22.19	22.43			
5	QPSK	12	7	22.19	22.27	22.28		23.5	1
5	QPSK	12	10	22.37	22.22	22.16			
5	QPSK	25	0	22.25	22.19	22.29			
5	QPSK	1	0	22.45	22.50	22.63			
5	QPSK	1	10	22.33	22.10	22.12		23.5	1
5	QPSK	1	24	22.79	22.34	22.72			
5	QPSK	12	0	21.20	21.22	21.25			
5	QPSK	12	7	21.37	21.07	21.38		22.5	2
5	QPSK	12	13	21.23	21.17	21.18			
5	QPSK	25	0	21.26	21.18	21.33			
5	QPSK	1	0	21.31	20.08	21.26		22.5	2
5	QPSK	1	12	21.57	21.58	21.37			
5	QPSK	1	26	21.37	21.22	21.56			
5	QPSK	12	0	20.44	20.42	20.48		21.5	3
5	QPSK	12	7	20.38	20.49	20.44			
5	QPSK	12	13	20.40	20.41	20.38			
5	QPSK	25	0	20.45	20.31	20.32			

Band 26_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch 1 Power Ch 2 Power Ch 3	Power High Ch 1 Power Ch 2 Power Ch 3	Turn-on time (sec)	MPR (dB)		
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.51	23.43	23.09			
15	QPSK	1	37	22.78	22.50	22.76		24	
15	QPSK	1	74	22.75	22.64	22.75			
15	QPSK	25	0	21.60	21.74	21.63			
15	QPSK	25	20	21.68	21.71	21.63		23	
15	QPSK	25	39	21.63	21.65	21.62			
15	QPSK	75	0	21.67	21.73	21.67			
15	QPSK	1	0	22.00	21.90	21.59			
15	QPSK	1	37	22.03	21.85	22.07		23	
15	QPSK	1	74	21.98	22.07	21.76			
15	QPSK	25	0	20.70	20.61	20.76			
15	QPSK	25	20	20.71	20.65	20.69		22	
15	QPSK	25	39	20.64	20.69	20.60			
15	QPSK	75	0	20.65	20.61	20.74			
15	QPSK	1	0	20.72	20.65	20.30			
15	QPSK	1	37	20.74	20.63	20.71		22	
15	QPSK	1	74	20.60	20.43	20.64			
15	QPSK	25	0	19.60	19.58	19.68			
15	QPSK	25	20	19.69	19.64	19.75		21	
15	QPSK	25	39	19.72	19.65	19.62			
15	QPSK	75	0	19.70	19.59	19.66			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.77	22.58	22.79			
10	QPSK	1	26	22.79	22.77	22.79		24	
10	QPSK	1	48	22.78	22.72	22.74			
10	QPSK	25	0	21.75	21.76	21.85			
10	QPSK	25	12	21.84	21.75	21.83		23	
10	QPSK	25	25	21.73	21.73	21.88			
10	QPSK	50	0	21.85	21.74	21.82			
10	QPSK	1	0	22.20	21.63	21.85			
10	QPSK	1	26	21.60	21.68	21.78		23	
10	QPSK	1	48	21.78	21.73	21.76			
10	QPSK	25	0	20.63	20.70	20.67			
10	QPSK	25	12	20.84	20.70	20.75		22	
10	QPSK	25	25	20.60	20.60	20.64			
10	QPSK	50	0	20.60	20.75	20.76			
10	QPSK	1	0	20.61	20.67	20.78		22	
10	QPSK	1	26	20.78	20.57	20.62			
10	QPSK	1	48	20.62	20.69	20.67			
10	QPSK	25	0	19.73	19.72	19.76			
10	QPSK	25	12	19.84	19.73	19.77		21	
10	QPSK	25	25	19.75	19.68	19.70			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.79	22.76	22.74			
5	QPSK	1	12	22.78	22.79	22.77		24	
5	QPSK	1	24	22.75	22.77	22.67			
5	QPSK	12	0	21.68	21.74	21.69			
5	QPSK	12	7	21.85	21.76	21.80		23	
5	QPSK	12	10	21.81	21.60	21.72			
5	QPSK	25	0	21.78	21.77	21.88			
5	QPSK	1	0	22.22	22.13	21.61			
5	QPSK	1	10	22.15	22.08	21.60		23	
5	QPSK	1	24	22.30	21.85	21.84			
5	QPSK	12	0	20.62	20.75	20.69			
5	QPSK	12	7	20.73	20.63	20.81		22	
5	QPSK	12	10	20.62	20.69	20.67			
5	QPSK	25	0	19.60	19.58	19.68			
5	QPSK	25	20	19.69	19.64	19.75		21	
5	QPSK	25	39	19.72	19.65	19.62			
5	QPSK	75	0	19.70	19.59	19.66			
Channel									
Frequency (MHz)									
1	QPSK	1	0	21.83	21.83	21.87			
1	QPSK	1	0	22.76	22.76	22.74			
1	QPSK	1	14	22.78	22.73	22.78		24	
1	QPSK	1	28	22.75	22.77	22.67			
1	QPSK	8	0	21.81	21.74	21.86			
1	QPSK	8	7	21.78	21.73	21.81		23	
1	QPSK	8	14	21.77	21.71	21.80			
1	QPSK	16	0	21.77	21.71	21.77			
1	QPSK	1	0	22.21	21.75	21.73			
1	QPSK	1	8	22.25	21.69	22.23		23	
1	QPSK	8	0	20.62	20.78	20.69			
1	QPSK	8	8	20.76	20.62	20.62			
1	QPSK	8	16	20.60	20.76	20.63		22	
1	QPSK	8	24	20.68	20.68	20.68			
1	QPSK	16	0	20.61	20.76	20.65			
1	QPSK	1	0	20.83	21.03	20.79			
1	QPSK	1	8	20.93	21.03	20.79		22	
1	QPSK	1	16	20.88	21.03	20.79			
1	QPSK	1	14	21.10	21.06	20.77			
1	QPSK	1	22	21.07	21.07	20.77		23	
1	QPSK	8	0	19.93	19.76	19.76			
1	QPSK	8	7	19.68	19.62	19.63		21	
1	QPSK	8	15	19.71	19.74	19.74			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	21.83	21.83	21.87			
1.4	QPSK	1	0	22.76	22.76	22.74			
1.4	QPSK	1	1	22.78	22.75	22.75		24	
1.4	QPSK	1	1	22.79	22.58	22.76			
1.4	QPSK	1	1	22.80	22.60	22.76			
1.4	QPSK	1	1	22.77	22.74	22.74		23	
1.4	QPSK	1	1	22.73	22.76	22.73			
1.4	QPSK	1	1	22.80	22.61	22.74			
1.4	QPSK	1	1	21.70	21.71	22.18			
1.4	QPSK	1	1	22.32	22.16	22.28			
1.4	QPSK	1	1	22.61	22.17	22.18		23	
1.4	QPSK	1	1	21.76	21.81	21.87			
1.4	QPSK	1	1	21.82	21.87	21.87			
1.4	QPSK	1	1	21.87	21.84	21.87		22	
1.4	QPSK	1	1	21.82	21.74	20.69			
1.4	QPSK	1	1	21.83	21.83	20.62		22	
1.4	QPSK	1	1	21.08	20.81	20.73			
1.4	QPSK	1	1	20.88	20.88	20.82			
1.4	QPSK	1	1	20.69	20.51	20.77			
1.4	QPSK	1	1	21.91	20.86	20.86		21	
1.4	QPSK	1	1	19.93	19.76	19.76			



Band 66_Ant 31										
RF (MHz)	Modulation	RIS Size	RIS Offset	Power Level Ch. 1 (dBm)	Power Level Ch. 2 (dBm)	Power Level Ch. 3 (dBm)	Power Level Ch. 4 (dBm)	Turn-on Time (ms)	Signaling	
Channel										
15	QPSK	1	0	19.079	15.932	15.932	15.932			
15	QPSK	1	0	17.75	17.75	17.75	17.75			
15	QPSK	1	49	21.05	21.05	21.05	21.05		22.2	0
15	QPSK	1	99	20.86	20.86	20.87	20.87			
15	QPSK	1	149	21.05	21.05	21.05	21.05			
15	QPSK	1	199	21.05	21.05	21.05	21.05		22.2	0
15	QPSK	1	249	21.16	21.16	21.17	21.17			
15	QPSK	1	299	20.85	20.85	20.86	20.86			
15	QPSK	1	349	21.05	21.05	21.05	21.05			
15	QPSK	1	399	21.05	21.05	21.05	21.05		22.2	0
15	QPSK	1	449	21.24	21.24	21.19	21.19		22.2	0
15	QPSK	1	499	21.25	21.25	21.21	21.21			
15	QPSK	1	549	20.85	20.85	20.86	20.86			
15	QPSK	1	599	20.85	20.85	20.86	20.86			
15	QPSK	1	649	20.85	20.85	20.86	20.86		21.7	0.5
15	QPSK	1	699	20.85	20.85	20.86	20.86			
15	QPSK	1	749	20.85	20.85	20.86	20.86			
15	QPSK	1	799	20.85	20.85	20.86	20.86			
15	QPSK	1	849	20.85	20.85	20.86	20.86			
15	QPSK	1	899	20.85	20.85	20.86	20.86		20.7	0
15	QPSK	1	949	20.85	20.85	20.86	20.86			
15	QPSK	1	999	20.85	20.85	20.86	20.86			
Channel										
15	QPSK	1	0	21.01	21.04	21.01	21.01	Turn-on	Signaling	
15	QPSK	1	37	21.04	21.08	21.08	21.08	Time (ms)		
15	QPSK	1	74	21.08	21.08	21.08	21.08		22.2	0
15	QPSK	1	111	21.08	21.12	21.12	21.12			
15	QPSK	1	148	20.89	21.23	21.05	21.05		22.2	0
15	QPSK	1	185	21.04	21.04	21.04	21.04			
15	QPSK	1	222	20.94	21.21	20.91	20.91			
15	QPSK	1	259	21.04	21.21	21.07	21.07		22.2	0
15	QPSK	1	296	21.14	21.14	21.14	21.14			
15	QPSK	1	333	20.93	21.37	20.93	20.93			
15	QPSK	1	370	20.93	21.37	20.93	20.93			
15	QPSK	1	407	20.94	21.31	20.89	20.89			
15	QPSK	1	444	21.17	21.34	21.07	21.07		22.2	0
15	QPSK	1	481	21.23	21.10	21.07	21.07			
15	QPSK	1	518	21.28	21.28	21.28	21.28			
15	QPSK	1	555	20.92	20.94	20.92	20.92		21.7	0.5
15	QPSK	1	592	20.92	20.94	20.92	20.92			
15	QPSK	1	629	20.92	20.94	20.92	20.92			
15	QPSK	1	666	20.92	20.94	20.92	20.92			
15	QPSK	1	703	20.92	20.94	20.92	20.92		21.7	0.5
15	QPSK	1	740	20.92	20.94	20.92	20.92			
15	QPSK	1	777	20.92	20.94	20.92	20.92			
15	QPSK	1	814	20.92	20.94	20.92	20.92		21.7	0.5</



Reduced Power for DSI 5

Band 38_Ant 13												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Frac)	Power Media Ch. 7 (Frac)	Power Hgh Ch. 1 (Frac)	Time-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	10.61	10.60	10.52	20.9	0				
20	QPSK	1	40	10.65	10.70	10.68						
20	QPSK	1	90	10.50	10.60	10.41						
20	QPSK	50	0	10.62	10.70	10.51	20.9	0				
30	QPSK	50	24	10.71	10.70	10.55						
20	QPSK	50	40	10.66	10.60	10.52						
30	QPSK	100	0	10.63	10.60	10.52	20.9	0				
20	15QAM	1	0	10.59	10.60	10.46						
20	15QAM	1	40	10.73	10.70	10.56						
20	15QAM	1	90	10.65	10.57	10.46	20.9	0				
20	15QAM	50	0	10.65	10.77	10.56						
20	15QAM	50	24	10.67	10.70	10.59						
20	15QAM	50	50	10.67	10.64	10.52	20.9	0				
20	15QAM	100	0	10.66	10.70	10.51						
30	8QAM	1	0	10.28	10.60	10.19						
20	8QAM	1	40	10.44	10.73	10.31	20.9	0				
20	8QAM	1	90	10.31	10.50	10.22						
20	8QAM	50	0	10.09	10.28	10.00						
20	8QAM	50	24	10.11	10.20	10.05	20.4	0.5				
20	8QAM	50	50	10.11	10.10	10.00						
20	8QAM	100	0	10.10	10.17	10.01						
Channel												
Frequency (MHz)												
15	QPSK	1	0	20.70	20.60	20.51	20.9	0				
15	QPSK	1	30	20.65	19.68	19.51						
15	QPSK	1	74	19.48	19.56	19.36						
15	QPSK	36	0	20.61	19.60	19.36	20.9	0				
15	QPSK	36	20	20.63	19.70	19.51						
15	QPSK	36	30	19.71	19.61	19.37						
15	QPSK	75	0	20.61	19.68	19.36	20.9	0				
15	15QAM	1	0	19.61	19.63	19.44						
15	15QAM	1	30	19.68	19.54	19.36						
15	15QAM	1	74	19.63	19.50	19.46	20.9	0				
15	15QAM	36	0	19.65	19.68	19.58						
15	15QAM	36	20	19.67	19.60	19.47						
15	15QAM	36	30	19.63	19.59	19.51	20.9	0				
15	15QAM	75	0	19.67	19.68	19.38						
15	8QAM	1	0	19.16	19.37	19.12		20.9	0			
15	8QAM	1	30	19.47	19.71	19.55						
15	8QAM	36	0	19.05	19.10	19.07	20.4	0.5				
15	8QAM	36	20	19.10	19.28	19.10						
15	8QAM	36	30	19.06	19.00	19.07						
15	8QAM	75	0	19.06	19.00	19.03	20.9	0				
15	QPSK	1	0	20.50	20.60	20.51						
15	QPSK	1	26	20.61	19.60	19.36	20.9	0				
15	QPSK	1	40	19.38	19.51	19.37						
15	QPSK	25	0	19.66	19.60	19.53	20.9	0				
15	QPSK	25	10	19.57	19.60	19.46						
15	QPSK	25	20	19.59	19.54	19.46		20.9	0			
15	QPSK	50	0	19.59	19.57	19.53						
15	15QAM	1	0	19.57	19.61	19.51	20.9	0				
15	15QAM	1	20	19.71	19.70	19.49						
15	15QAM	1	40	19.61	19.46	19.42		20.9	0			
15	15QAM	25	0	19.64	19.67	19.46						
15	15QAM	25	10	19.63	19.60	19.47	20.9	0				
15	15QAM	25	20	19.65	19.60	19.43						
15	15QAM	50	0	19.64	19.70	19.50		20.9	0			
15	8QAM	1	0	19.17	19.09	19.04						
15	8QAM	1	20	19.29	19.09	19.02	20.9	0				
15	8QAM	1	40	19.19	19.44	19.19						
15	8QAM	25	0	19.14	19.10	19.04	20.4	0.5				
15	8QAM	25	10	19.09	19.11	19.03						
15	8QAM	25	20	19.10	19.14	19.02						
15	8QAM	50	0	19.07	19.04	19.00	20.9	0				
Channel												
Frequency (MHz)												
5	QPSK	1	0	19.56	19.70	19.57				20.9	0	
5	QPSK	1	12	19.59	19.69	19.45						
5	QPSK	1	24	19.35	19.63	19.31						
5	QPSK	12	0	19.48	19.71	19.55	20.9	0				
5	QPSK	12	7	19.54	19.68	19.54						
5	QPSK	12	15	19.55	19.50	19.37		20.9	0			
5	QPSK	25	0	19.57	19.56	19.45						
5	15QAM	1	0	19.40	19.60	19.36	20.9	0				
5	15QAM	1	10	19.77	19.60	19.52						
5	15QAM	1	24	19.68	19.43	19.48		20.9	0			
5	15QAM	12	0	19.70	19.69	19.41						
5	15QAM	12	7	19.59	19.60	19.61	20.9	0				
5	15QAM	12	15	19.60	19.50	19.51						
5	15QAM	25	0	19.61	19.00	19.53		20.9	0			
5	8QAM	1	0	19.26	19.60	19.10						
5	8QAM	1	10	19.37	19.67	19.28	20.9	0				
5	8QAM	1	24	19.31	19.50	19.16						
5	8QAM	12	0	19.07	19.30	19.09	20.4	0.5				
5	8QAM	12	7	19.14	19.27	19.03						
5	8QAM	12	15	19.16	19.03	19.02						
5	8QAM	25	0	19.10	19.00	19.00	20.9	0				

Band 38_Ant 31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Frac)	Power Media Ch. 7 (Frac)	Power Hgh Ch. 1 (Frac)	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.43	22.40	22.33	23.8	0		
30	QPSK	1	40	22.48	22.70	22.77				
20	QPSK	1	90	22.67	22.60	22.73				
20	QPSK	50	0	21.50	21.60	21.64	22.8	1		
30	QPSK	50	24	21.68	21.70	21.77				
20	QPSK	50	40	21.67	21.60	21.73		22.8	1	
30	QPSK	100	0	21.64	21.60	21.63				
20	15QAM	1	0	21.47	21.54	21.51	22.8	1		
20	15QAM	1	40	21.66	21.77	21.73				
20	15QAM	1	90	21.66	21.59	21.69		21.8	2	
20	15QAM	50	0	20.54	20.61	20.66				
20	15QAM	50	24	20.63	20.60	20.71	21.8	2		
20	15QAM	50	50	20.60	20.66	20.69				
20	15QAM	100	0	20.60	20.60	20.68		21.8	2	
30	8QAM	1	0	20.09	20.10	20.20				
20	8QAM	1	40	20.35	20.43	20.39	21.8	2		
20	8QAM	1	90	20.33	20.31	20.36				
20	8QAM	50	0	19.50	19.62	19.60				
20	8QAM	50	24	19.50	19.67	19.67				
20	8QAM	50	50	19.58	19.63	19.69				
20	8QAM	100	0	19.58	19.63	19.66	20.9	0		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.30	22.39	22.48	Time-up limit (dBm)	MPR (dB)		
15	QPSK	1	30	22.41	22.61	22.52				
15	QPSK	1	74	22.37	22.52	22.57	23.8	0		
15	QPSK	36	0	21.31	21.40	21.46				
15	QPSK	36	20	21.35	21.46	21.40	22.8	1		
15	QPSK	36	30	21.35	21.40	21.47				
15	QPSK	74	0	21.46	21.43	21.43		22.8	1	
15	15QAM	1	0	21.24	21.30	21.38				
15	15QAM	1	30	21.30	21.43	21.36	22.8	1		
15	15QAM	1	74	21.43	21.50	21.30				
15	15QAM	36	0	20.30	20.43	20.46		21.8	2	
15	15QAM	36	20	20.33	20.43	20.46				
15	15QAM	36	30	20.33	20.43	20.46	21.8		2	
15	15QAM	74	0	20.46	20.52	20.52				
15	15QAM	74	20	20.52	20.52	20.52	21.8	2		
15	8QAM	1	0	20.09	20.10	20.20				
15	8QAM	1	30	20.35	20.43	20.39		20.8	3	
15	8QAM	1	74	20.50	20.58	20.58				
15	8QAM	36	0	19.29	19.38	19.46	20.8	3		
15	8QAM	36	20	19.33	19.43	19.43				
15	8QAM	36	30	19.31	19.44	19.45				
15	8QAM	74	0	19.38	19.38	19.46	20.9	0		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.33	22.52	22.44	Time-up limit (dBm)	MPR (dB)		
15	QPSK	1	26	22.43	22.52	22.59				
15	QPSK	1	66	22.44	22.50	22.58	23.8	0		
15	QPSK	36	0	21.33	21.43	21.43				
15	QPSK	36	12	21.38	21.47	21.52	22.8	1		
15	QPSK	36	24	21.38	21.47	21.52				
15	QPSK	74	0	21.42	21.57	21.52		22.8	1	
15	QPSK	74	26	21.42	21.57	21.52				
15	15QAM	1	0	21.20	21.48	21.30	22.8	1		
15	15QAM	1	40	21.32	21.52	21.61				
15	15QAM	26	0	20.31	20.47	20.52		21.8	2	
15	15QAM	26	12	20.31	20.47	20.52				
15	15QAM	26	24	20.38	20.43	20.58	21.8		2	
15	15QAM	74	0	20.44	20.49	20.58				
15	8QAM	1	0	19.99	19.10	19.14	20.8	3		
15	8QAM	1	26	19.14	19.28	19.23				
15	8QAM	1	66	19.34	19.51	19.54				
15	8QAM	26	0	19.34	19.43	19.55	20.8	3		
15	8QAM	26	12	19.38	19.49	19.49				
15	8QAM	26	24	19.33	19.44	19.48		20.9	0	
15	8QAM	74	0	19.33	19.44	19.48				
Frequency (MHz)										
5	QPSK	1	0	22.32	22.58	22.15	Time-up limit (dBm)	MPR (dB)		
5	QPSK	1	26	22.43	22.68	22.63				
5	QPSK	1	66	22.44	22.68	22.63	23.8	0		
5	QPSK	12	0	21.31	21.51	21.53				
5	QPSK	12	26	21.36	21.48	21.51	22.8	1		
5	QPSK	12	66	21.36	21.48	21.59				
5	QPSK	24	0	21.42	21.57	21.57		22.8	1	
5	15QAM	1	0	21.33	21.57	21.50				
5	15QAM	1	12	21.45	21.60	21.58	22.8	1		
5	15QAM	1	26	21.45	21.52	21.61				
5	15QAM	12	0	20.26	20.44	20.49		21.8	2	
5	15QAM	12	7	20.29	20.38	20.46				
5	15QAM	12	26	20.34	20.42	20.49	21.8		2	
5	15QAM	26	0	20.31	20.40	20.54				
5	8QAM	1	0	19.99	19.10	19.14	20.8	3		
5	8QAM	1	12	19.10	19.25	19.27				
5	8QAM	1	26	19.34	19.52	19.57				
5	8QAM	12	7	19.28	19.38	19.46	20.8	3		
5	8QAM	12	13	19.31	19.43	19.40				
5	8QAM	12	26	19.31	19.43	19.40		20.9	0	
5	8QAM	24	0	19.31	19.43	19.40				



Reduced Power for DSI 5

Band 41_Ant 13										
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Frac.)	Power Low Ch. 2 (Frac.)	Power Low Ch. 3 (Frac.)	Power Low Ch. 4 (Frac.)	Power High Ch. 1 (Frac.)	Power High Ch. 2 (Frac.)	Power High Ch. 3 (Frac.)
Channel										
Frequency [MHz]										
20	QPSK	1	0	18.44	18.48	18.50	18.50	18.50	18.50	18.50
20	QPSK	1	48	18.88	18.73	18.80	18.88	18.81	18.81	18.81
20	QPSK	1	96	19.43	19.47	19.54	19.56	19.49	19.49	19.49
20	QPSK	50	0	19.80	19.85	19.40	19.88	19.82	19.88	19.82
20	QPSK	50	24	19.83	19.71	19.70	19.80	19.88	19.88	19.88
20	QPSK	50	48	19.87	19.84	19.73	19.80	19.80	19.80	19.80
20	QPSK	100	0	19.92	19.98	19.86	19.90	19.84	19.84	19.84
20	16QAM	1	0	19.87	19.80	19.86	19.85	19.85	19.85	19.85
20	16QAM	1	48	19.82	19.82	19.80	19.80	19.80	19.80	19.80
20	16QAM	1	96	19.54	19.82	19.88	19.78	19.85	19.85	19.85
20	16QAM	50	0	19.71	19.61	19.57	19.74	19.84	19.84	19.84
20	16QAM	50	24	19.54	19.53	19.75	19.80	19.85	19.85	19.85
20	16QAM	50	48	19.48	19.72	19.88	19.71	19.81	19.81	19.81
20	16QAM	100	0	19.66	19.88	19.86	19.70	19.81	19.81	19.81
20	64QAM	1	0	19.70	19.63	19.70	19.85	19.88	19.88	19.88
20	64QAM	1	48	19.59	19.68	19.86	19.77	19.80	19.80	19.80
20	64QAM	1	96	19.21	19.69	19.87	19.79	19.74	19.74	19.74
20	64QAM	50	0	19.38	19.59	19.20	19.75	19.73	19.73	19.73
20	64QAM	50	24	19.20	19.78	19.40	19.20	19.22	19.22	19.22
20	64QAM	50	48	19.06	19.39	19.34	19.52	19.07	19.07	19.07
20	64QAM	100	0	19.07	19.28	19.18	19.45	19.07	19.07	19.07
Channel										
Frequency [MHz]										
15	QPSK	1	0	20.03	20.03	20.01	20.07	20.03	20.03	20.03
15	QPSK	1	48	20.38	20.51	20.38	20.40	20.48	20.48	20.48
15	QPSK	1	96	20.44	20.67	20.72	20.70	20.41	20.41	20.41
15	QPSK	1	74	20.33	20.46	20.41	20.50	20.38	20.38	20.38
15	QPSK	36	0	20.60	20.44	20.36	20.60	20.54	20.54	20.54
15	QPSK	36	20	20.57	20.48	20.72	20.47	20.54	20.54	20.54
15	QPSK	36	36	20.44	20.61	20.63	20.54	20.47	20.47	20.47
15	QPSK	75	0	20.50	20.63	20.51	20.45	20.58	20.58	20.58
15	16QAM	1	0	19.64	19.69	19.63	19.63	19.67	19.67	19.67
15	16QAM	1	24	19.63	19.56	19.68	19.60	19.68	19.68	19.68
15	16QAM	1	48	19.46	19.55	19.56	19.40	19.42	19.42	19.42
15	16QAM	36	0	19.62	19.60	19.53	19.75	19.84	19.84	19.84
15	16QAM	36	20	19.58	19.58	19.70	19.67	19.67	19.67	19.67
15	16QAM	36	36	19.45	19.67	19.61	19.74	19.51	19.51	19.51
15	16QAM	75	0	19.52	19.67	19.60	19.72	19.49	19.49	19.49
15	64QAM	1	0	19.58	19.51	19.61	19.68	19.62	19.62	19.62
15	64QAM	1	37	19.63	19.69	19.52	19.79	19.55	19.55	19.55
15	64QAM	1	74	19.47	19.62	19.60	19.71	19.45	19.45	19.45
15	64QAM	36	0	19.36	19.45	19.07	19.75	19.25	19.25	19.25
15	64QAM	36	20	19.08	19.07	19.37	19.38	19.24	19.24	19.24
15	64QAM	36	36	19.02	19.30	19.23	19.47	19.04	19.04	19.04
15	64QAM	75	0	19.12	19.31	19.12	19.46	19.1	19.1	19.1
Channel										
Frequency [MHz]										
10	QPSK	1	0	19.24	19.41	19.35	19.46	19.44	19.44	19.44
10	QPSK	1	20	19.27	19.28	19.60	19.56	19.45	19.45	19.45
10	QPSK	1	48	19.33	19.48	19.45	19.35	19.30	19.30	19.30
10	QPSK	25	0	19.52	19.54	19.45	19.61	19.51	19.51	19.51
10	QPSK	25	0	19.42	19.40	19.71	19.58	19.46	19.46	19.46
10	QPSK	25	20	19.57	19.64	19.61	19.50	19.55	19.55	19.55
10	QPSK	50	0	19.67	19.46	19.67	19.58	19.59	19.59	19.59
10	16QAM	1	0	19.54	19.57	19.53	19.55	19.56	19.56	19.56
10	16QAM	1	20	19.50	19.68	19.54	19.70	19.85	19.85	19.85
10	16QAM	1	48	19.46	19.50	19.64	19.70	19.42	19.42	19.42
10	16QAM	25	0	19.72	19.58	19.42	19.60	19.63	19.63	19.63
10	16QAM	25	20	19.49	19.41	19.65	19.65	19.50	19.50	19.50
10	16QAM	25	48	19.34	19.60	19.53	19.61	19.55	19.55	19.55
10	16QAM	50	0	19.61	19.67	19.57	19.68	19.54	19.54	19.54
10	64QAM	1	0	19.57	19.60	19.57	19.59	19.54	19.54	19.54
10	64QAM	1	20	19.51	19.58	19.66	19.72	19.51	19.51	19.51
10	64QAM	1	48	19.59	19.65	19.67	19.67	19.26	19.26	19.26
10	64QAM	25	0	19.36	19.53	19.50	19.70	19.35	19.35	19.35
10	64QAM	25	10	19.07	19.17	19.31	19.26	19.25	19.25	19.25
10	64QAM	25	20	19.51	19.25	19.38	19.38	19.38	19.38	19.38
10	64QAM	50	0	19.38	19.15	19.04	19.50	19.07	19.07	19.07
Channel										
Frequency [MHz]										
5	QPSK	1	0	19.41	19.33	19.44	19.59	19.59	19.59	19.59
5	QPSK	1	12	19.34	19.54	19.68	19.71	19.41	19.41	19.41
5	QPSK	1	24	19.40	19.37	19.47	19.50	19.43	19.43	19.43
5	QPSK	12	0	19.45	19.59	19.29	19.60	19.53	19.53	19.53
5	QPSK	12	10	19.40	19.24	19.73	19.40	19.37	19.37	19.37
5	QPSK	12	18	19.41	19.51	19.76	19.50	19.38	19.38	19.38
5	QPSK	25	0	19.70	19.43	19.59	19.63	19.64	19.64	19.64
5	16QAM	1	0	19.60	19.55	19.66	19.60	19.62	19.62	19.62
5	16QAM	1	10	19.65	19.58	19.57	19.65	19.50	19.50	19.50
5	16QAM	1	24	19.48	19.56	19.62	19.67	19.52	19.52	19.52
5	16QAM	12	0	19.70	19.69	19.43	19.67	19.53	19.53	19.53
5	16QAM	12	7	19.51	19.41	19.73	19.46	19.43	19.43	19.43
5	16QAM	12	10	19.49	19.69	19.57	19.72	19.66	19.66	19.66
5	16QAM	25	0	19.55	19.58	19.56	19.55	19.57	19.57	19.57
5	64QAM	1	0	19.62	19.61	19.74	19.59	19.64	19.64	19.64
5	64QAM	1	10	19.47	19.69	19.57	19.70	19.50	19.50	19.50
5	64QAM	1	24	19.25	19.73	19.62	19.72	19.26	19.26	19.26
5	64QAM	12	0	19.22	19.45	19.21	19.60	19.50	19.50	19.50
5	64QAM	12	10	19.21	19.52	19.36	19.57	19.25	19.25	19.25
5	64QAM	12	18	19.89	19.33	19.30	19.57	19.12	19.12	19.12
5	64QAM	25	0	19.11	19.26	19.22	19.46	19.07	19.07	19.07

Band 41_Ant 31										
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Frac.)	Power Low Ch. 2 (Frac.)	Power Low Ch. 3 (Frac.)	Power Low Ch. 4 (Frac.)	Power High Ch. 1 (Frac.)	Power High Ch. 2 (Frac.)	Power High Ch. 3 (Frac.)
Channel										
Frequency [MHz]										
20	QPSK	1	0	22.26	22.32	22.32	22.32	22.32	22.32	22.32
20	QPSK	1	48	22.37	22.44	22.83	22.71	22.70	22.70	22.70
20	QPSK	1	96	22.25	22.43	22.57	22.67	22.64	22.64	22.64
20	QPSK	50	0	21.28	21.39	21.36	21.68	21.68	21.68	21.68
20	QPSK	50	24	21.45	21.45	21.50	21.67	21.71	21.71	21.71
20	QPSK	50	48	21.43	21.38	21.48	21.64	21.68	21.68	21.68
20	QPSK	100	0	21.33	21.33	21.72	21.67	21.69	21.69	21.69
20	16QAM	1	0	21.20	21.28	21.49	21.58	21.58	21.58	21.58
20	16QAM	1	48	21.40	21.47	21.82	21.78	21.73	21.73	21.73
20	16QAM	1	96	21.30	21.37	21.57	21.68	21.68	21.68	21.68
20	16QAM	50	0	20.25	20.37	20.50	20.69	20.72	20.72	20.72
20	16QAM	50	24	20.35	20.37	20.80	20.67	20.64	20.64	20.64
20	16QAM	50	48	20.41	20.37	20.58	20.74	20.70	20.70	20.70
20	16QAM	100	0	20.31	20.36	20.88	20.65	20.73	20.73	20.73
20	64QAM	1	0	19.92	19.90	20.10	20.24	20.25	20.25	20.25
20	64QAM	1	48	20.13	20.13	20.37	20.42	20.44	20.44	20.44
20	64QAM	1	96	19.84	20.07	20.23	20.37	20.38	20.38	20.38
20	64QAM	50	0	19.16	19.33	19.54	19.62	19.64	19.64	19.64
20	64QAM	50	24	19.31	19.36	19.58	19.60	19.65	19.65	19.65
20	64QAM	50	48	19.34	19.35	19.80	19.72	19.69	19.69	19



Reduced Power for DSI 8/10

GSM850_Ant.13		Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)				Tune-up Limit (dBm)
TX Channel		128	189	251	128		189	251			
Frequency (MHz)		824.2	836.4	848.8	824.2		836.4	848.8			
		32.32	32.36	32.14	33.50		23.32	23.36	23.14		
GSM 1 Tx slot		32.37	32.38	32.19	33.50	23.37	23.38	23.19	24.50		
GPRS 2 Tx slots		29.67	29.77	29.66	30.50	23.67	23.77	23.66	24.50		
GPRS 3 Tx slots		27.96	27.77	27.68	28.50	23.70	23.51	23.42	24.24		
GPRS 4 Tx slots		27.17	27.26	27.12	28.00	24.17	24.26	24.12	25.00		
EDGE 1 Tx slot		26.87	26.89	26.58	27.50	17.87	17.89	17.58	18.50		
EDGE 2 Tx slots		24.71	24.78	24.55	25.50	18.71	18.78	18.55	19.50		
EDGE 3 Tx slots		22.60	22.61	22.35	23.50	18.34	18.35	18.09	19.24		
EDGE 4 Tx slots		20.95	20.98	20.65	22.00	17.95	17.98	17.65	19.00		

GSM1900_Ant_13				Tune-up Limit (dBm)	Frame-Average Power (dBm)				Tune-up Limit (dBm)
Burst Average Power (dBm)					512 661 810				
TX Channel					512 661 810				
Frequency (MHz)					1850.2 1880 1909.8				
GSM 1 Tx slot	28.56	28.58	28.55	30.00	19.58	19.56	19.79	21.00	
GPRS 1 Tx slot	28.61	28.76	28.61	30.00	19.61	19.76	19.61	21.00	
GPRS 2 Tx slots	24.68	24.76	24.64	26.00	16.68	16.76	16.64	20.00	
GPRS 3 Tx slots	22.76	22.70	22.73	24.00	16.50	16.44	16.47	19.74	
GPRS 4 Tx slots	21.19	21.10	21.10	22.50	16.19	16.10	16.10	19.50	
EDGE 1 Tx slot	25.73	25.64	25.72	26.50	16.73	16.64	16.72	17.50	
EDGE 2 Tx slots	23.65	23.66	23.74	24.50	17.65	17.66	17.74	18.50	
EDGE 3 Tx slots	21.24	21.33	21.33	22.50	16.98	17.07	17.07	18.24	
EDGE 4 Tx slots	19.26	19.26	19.46	21.00	16.26	16.26	16.46	18.00	

Band		WCDMA II_Ant.13					Tune-up Limit (dBm)	WCDMA IV_Ant.31					Tune-up Limit (dBm)
TX Channel		9262 9400 9538						9262 9400 9538					
Rx Channel		9662 9800 9938						9662 9800 9938					
Frequency (MHz)		1852.4 1880 1907.6						1852.4 1880 1907.6					
3GPP Rel 99	AMR 12.2Kbps	18.07	18.25	18.16	19.80	19.25	19.25	19.25	20.70				
3GPP Rel 99	RMC 12.2Kbps	18.14	18.26	18.22	19.80	19.27	19.28	19.26	20.70				
3GPP Rel 6	HSDPA Subtest-1	17.10	17.28	17.24	18.80	18.07	18.14	18.08	19.70				
3GPP Rel 6	HSDPA Subtest-2	17.12	17.27	16.99	18.80	18.03	18.10	17.79	19.70				
3GPP Rel 6	HSDPA Subtest-3	16.72	16.72	16.94	18.30	17.64	17.63	17.66	19.20				
3GPP Rel 6	HSDPA Subtest-4	16.64	16.68	16.89	18.30	17.54	17.68	17.62	19.20				
3GPP Rel 8	DC-HSDPA Subtest-1	17.24	17.16	17.22	18.80	18.01	18.05	18.13	19.70				
3GPP Rel 8	DC-HSDPA Subtest-2	17.19	17.25	17.23	18.80	18.08	17.99	18.00	19.70				
3GPP Rel 8	DC-HSDPA Subtest-3	16.64	16.69	16.69	18.30	17.50	17.55	17.62	19.20				
3GPP Rel 8	DC-HSDPA Subtest-4	16.57	16.59	16.57	18.30	17.61	17.60	17.61	19.20				
3GPP Rel 6	HSUPA Subtest-1	16.87	16.76	16.72	16.80	17.30	17.11	17.44	17.70				
3GPP Rel 6	HSUPA Subtest-2	16.68	16.76	16.79	16.80	17.24	17.09	17.43	17.70				
3GPP Rel 6	HSUPA Subtest-3	17.77	17.72	17.71	17.80	18.39	18.09	18.28	18.70				
3GPP Rel 6	HSUPA Subtest-4	16.18	16.21	16.28	16.30	16.81	16.66	17.00	17.70				
3GPP Rel 6	HSUPA Subtest-5	17.66	17.62	17.72	17.80	18.10	18.06	18.33	18.70				
3GPP Rel 7	ISPA+ (10QAM) Subtest	16.65	16.54	16.63	17.80	17.01	17.00	17.25	18.70				

Band		WCDMA V_Ant.13					Tune-up Limit (dBm)	WCDMA V_Ant.41					Tune-up Limit (dBm)
TX Channel		4132	4182	4233		4132		4182	4233				
Rx Channel		4357	4407	4458		4357		4407	4458				
Frequency (MHz)		826.4	836.4	846.6		826.4		836.4	846.6				
3GPP Rel 99	AMR 12.2Kbps	22.86	22.89	23.01	24.00	22.94	23.01	23.12	24.00				
3GPP Rel 99	RMC 12.2Kbps	22.88	23.04	23.02	24.00	22.96	23.14	23.13	24.00				
3GPP Rel 6	HS-DPA Subtest-1	21.84	21.89	21.99	23.00	21.91	22.04	22.09	23.00				
3GPP Rel 6	HS-DPA Subtest-2	21.83	21.86	21.98	23.00	21.91	21.97	22.07	23.00				
3GPP Rel 6	HS-DPA Subtest-3	21.35	21.38	21.53	22.50	21.45	21.50	21.58	22.50				
3GPP Rel 6	HS-DPA Subtest-4	21.32	21.35	21.43	22.50	21.42	21.44	21.56	22.50				
3GPP Rel 8	DC-HSDPA Subtest-1	21.78	21.82	21.83	23.00	21.86	21.94	21.95	23.00				
3GPP Rel 8	DC-HSDPA Subtest-2	21.77	21.78	21.83	23.00	21.80	21.85	22.02	23.00				
3GPP Rel 8	DC-HSDPA Subtest-3	21.19	21.25	21.41	22.50	21.31	21.37	21.51	22.50				
3GPP Rel 8	DC-HSDPA Subtest-4	21.22	21.30	21.38	22.50	21.29	21.32	21.47	22.50				
3GPP Rel 6	HS-UPA Subtest-1	20.90	20.90	21.00	21.00	20.84	20.99	20.92	21.00				
3GPP Rel 6	HS-UPA Subtest-2	20.84	20.90	20.98	21.00	20.93	20.95	20.89	21.00				
3GPP Rel 6	HS-UPA Subtest-3	21.92	21.96	21.98	22.00	21.99	21.82	21.90	22.00				
3GPP Rel 6	HS-UPA Subtest-4	20.44	20.42	20.49	20.50	20.46	20.32	20.47	20.50				
3GPP Rel 6	HS-UPA Subtest-5	21.90	21.80	21.90	22.00	21.90	21.93	21.90	22.00				
3GPP Rel 7	ISPA+ (10QAM) Subtest	20.80	20.79	20.84	22.00	20.77	20.83	20.84	22.00				

GSM850_Ant.41		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		32.25	32.4	34.5		32.25	32.4	34.5	
		32.23	32.46	32.20		33.50	23.23	23.46	
GPRS 1 Tx slot		32.25	32.49	32.22	33.50	23.25	23.49	23.22	24.50
GPRS 2 Tx slots		29.51	29.59	29.59	30.00	23.51	23.59	23.59	24.00
GPRS 3 Tx slots		27.51	27.53	27.58	28.50	23.25	23.27	23.32	24.24
GPRS 4 Tx slots		26.74	26.85	26.58	27.50	23.74	23.85	23.58	24.50
EDGE 1 Tx slot		26.81	26.94	26.66	27.50	17.81	17.94	17.66	18.50
EDGE 2 Tx slots		24.74	24.88	24.53	25.50	18.74	18.88	18.53	19.50
EDGE 3 Tx slots		22.42	22.78	22.37	23.50	18.16	18.52	18.11	19.24
EDGE 4 Tx slots		20.81	21.13	20.57	22.00	17.81	18.13	17.57	19.00

GSM1900_Ant. 31		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		28.18	28.30	28.62		29.50	19.18	19.30	
GPRS 1 Tx slot		28.20	28.48	28.46	29.50	19.20	19.48	19.46	20.50
GPRS 2 Tx slots		24.03	24.15	24.15	25.00	18.03	18.15	18.15	19.00
GPRS 3 Tx slots		22.46	22.56	22.62	23.50	18.20	18.30	18.36	19.24
GPRS 4 Tx slots		21.44	21.49	21.91	22.50	18.44	18.49	18.91	19.50
EDGE 1 Tx slot		25.87	25.90	25.92	26.50	16.87	16.90	16.92	17.50
EDGE 2 Tx slots		24.07	24.19	24.37	24.50	18.07	18.19	18.37	18.50
EDGE 3 Tx slots		21.47	21.97	21.99	22.50	17.21	17.71	17.73	18.24
EDGE 4 Tx slots		19.75	19.98	20.01	21.00	16.75	16.98	17.01	18.00

Band		WCDMA IV_Ant.13					Tune-up Limit (dBm)	WCDMA IV_Ant.31					Tune-up Limit (dBm)
Tx Channel		1312	1413	1513									
Rx Channel		1537	1638	1738									
Frequency (MHz)		1712.4	1732.6	1752.6									
3GPP Rel 99	AMR 12.2Kbps	18.58	18.55	18.58	19.80	19.03	19.05	19.06	20.20				
3GPP Rel 99	RMC 12.2Kbps	18.60	18.62	18.59	19.80	19.04	19.08	19.07	20.20				
3GPP Rel 6	HSDPA Subtest-1	17.56	17.39	17.49	18.80	18.07	18.07	18.07	19.20				
3GPP Rel 6	HSDPA Subtest-2	17.5	17.44	17.51	18.80	18.01	18.06	18.04	19.20				
3GPP Rel 6	HSDPA Subtest-3	17.05	17.06	17.04	18.30	17.66	17.55	17.69	18.70				
3GPP Rel 6	HSDPA Subtest-4	17.66	16.92	17.08	18.30	17.44	17.46	17.62	18.70				
3GPP Rel 8	DC-HSDPA Subtest-1	16.37	17.35	17.28	18.80	17.95	17.99	17.99	19.20				
3GPP Rel 8	DC-HSDPA Subtest-2	17.09	17.31	17.32	18.80	17.96	18.03	18.03	19.20				
3GPP Rel 8	DC-HSDPA Subtest-3	17.34	16.96	17.04	18.30	17.43	17.42	17.47	18.70				
3GPP Rel 8	DC-HSDPA Subtest-4	16.91	16.84	16.91	18.30	17.36	17.39	17.37	18.70				
3GPP Rel 6	HSUPA Subtest-1	16.74	16.74	16.74	17.80	17.08	17.19	17.19	18.70				
3GPP Rel 6	HSUPA Subtest-2	16.77	16.74	16.75	16.80	17.08	17.10	17.08	17.20				
3GPP Rel 6	HSUPA Subtest-3	17.65	17.65	17.76	17.80	18.11	18.04	18.12	18.20				
3GPP Rel 6	HSUPA Subtest-4	16.76	16.20	16.26	16.30	16.94	16.86	16.92	17.20				
3GPP Rel 6	HSUPA Subtest-5	17.76	17.80	17.80	18.00	18.18	18.16	18.13	18.20				
3GPP Rel 6	SPA+ (10QAM) Subtest	16.78	16.79	16.73	17.80	17.11	17.12	17.07	18.20				



Reduced Power for DSI 8/10

Band 2_Ant 13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low P ₀ (dBm)	Power High P ₀ (dBm)	Power Max P ₀ (dBm)	Power Min P ₀ (dBm)	Turn-up time (ms)	MPR (dB)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.31	18.48	18.28				
20	QPSK	1	48	18.31	18.70	18.50		19.5	0	
20	QPSK	1	96	18.23	18.40	18.37				
20	QPSK	50	0	18.25	18.52	18.51				
20	QPSK	50	24	18.34	18.53	18.54		19.5	0	
20	QPSK	50	50	18.18	18.48	18.53				
20	QPSK	100	0	18.21	18.53	18.48				
20	16QAM	1	0	18.48	18.60	18.59				
20	16QAM	1	48	18.61	18.53	18.58		19.5	0	
20	16QAM	1	96	18.37	18.55	18.52				
20	16QAM	50	0	18.30	18.52	18.55				
20	16QAM	50	24	18.30	18.52	18.55		19.5	0	
20	16QAM	50	50	18.19	18.52	18.54				
20	16QAM	100	0	18.28	18.52	18.51				
20	16QAM	1	0	18.36	18.50	18.48				
20	16QAM	1	48	18.42	18.61	18.58		19.5	0	
20	16QAM	1	96	18.19	18.59	18.55				
20	16QAM	50	0	18.23	18.49	18.55				
20	16QAM	50	24	18.29	18.48	18.54		19.5	0	
20	16QAM	50	50	18.17	18.47	18.48				
20	16QAM	100	0	18.19	18.53	18.51				
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.14	18.36	18.29		Turn-up time (ms)	MPR (dB)	
15	QPSK	1	37	18.16	18.64	18.42		19.5	0	
15	QPSK	1	74	18.12	18.36	18.34				
15	QPSK	36	0	18.25	18.45	18.42				
15	QPSK	36	20	18.21	18.53	18.39		19.5	0	
15	QPSK	36	50	18.16	18.36	18.44				
15	QPSK	72	0	18.21	18.40	18.34				
15	16QAM	1	0	18.45	18.54	18.57				
15	16QAM	1	37	18.60	18.44	18.45		19.5	0	
15	16QAM	1	74	18.28	18.45	18.48				
15	16QAM	36	0	18.22	18.47	18.53				
15	16QAM	36	20	18.21	18.50	18.43		19.5	0	
15	16QAM	36	50	18.10	18.37	18.40				
15	16QAM	72	0	18.23	18.42	18.44				
15	16QAM	1	0	18.28	18.48	18.38		19.5	0	
15	16QAM	1	37	18.41	18.57	18.58				
15	16QAM	1	74	18.10	18.47	18.48				
15	16QAM	36	0	18.17	18.37	18.40				
15	16QAM	36	20	18.28	18.44	18.51		19.5	0	
15	16QAM	36	50	18.06	18.33	18.40				
15	16QAM	72	0	18.12	18.42	18.44				
Channel										
Frequency (MHz)										
10	QPSK	1	0	18.18	18.37	18.30		Turn-up time (ms)	MPR (dB)	
10	QPSK	1	25	18.19	18.58	18.35		19.5	0	
10	QPSK	1	49	18.17	18.33	18.35				
10	QPSK	25	0	18.16	18.38	18.40				
10	QPSK	25	12	18.24	18.48	18.39		19.5	0	
10	QPSK	25	25	18.14	18.43	18.46				
10	QPSK	50	0	18.09	18.38	18.40				
10	16QAM	1	0	18.58	18.55	18.47		19.5	0	
10	16QAM	1	25	18.58	18.48	18.53				
10	16QAM	1	49	18.26	18.53	18.59				
10	16QAM	25	0	18.22	18.44	18.45		19.5	0	
10	16QAM	25	12	18.33	18.45	18.50				
10	16QAM	25	25	18.08	18.48	18.40				
10	16QAM	50	0	18.12	18.41	18.47				
10	16QAM	1	0	18.27	18.45	18.29		19.5	0	
10	16QAM	1	25	18.27	18.53	18.55				
10	16QAM	1	49	18.11	18.53	18.48				
10	16QAM	25	0	18.10	18.35	18.50				
10	16QAM	25	12	18.21	18.40	18.53		19.5	0	
10	16QAM	25	25	18.15	18.39	18.46				
10	16QAM	50	0	18.19	18.39	18.36				
Channel										
Frequency (MHz)										
5	QPSK	1	0	18.12	18.37	18.24		Turn-up time (ms)	MPR (dB)	
5	QPSK	1	12	18.28	18.61	18.46		19.5	0	
5	QPSK	1	24	18.15	18.34	18.32				
5	QPSK	12	0	18.22	18.39	18.49				
5	QPSK	12	7	18.33	18.50	18.52		19.5	0	
5	QPSK	12	13	18.14	18.43	18.48				
5	QPSK	25	0	18.07	18.42	18.37				
5	16QAM	1	0	18.35	18.57	18.44				
5	16QAM	1	12	18.48	18.43	18.68		19.5	0	
5	16QAM	1	24	18.24	18.41	18.59				
5	16QAM	12	0	18.21	18.48	18.45				
5	16QAM	12	7	18.35	18.45	18.47		19.5	0	
5	16QAM	12	13	18.05	18.45	18.45				
5	16QAM	25	0	18.15	18.43	18.37				
5	16QAM	1	0	18.22	18.46	18.45		19.5	0	
5	16QAM	1	12	18.39	18.45	18.54				
5	16QAM	1	24	18.10	18.45	18.54				
5	16QAM	12	0	18.17	18.42	18.54		19.5	0	
5	16QAM	12	7	18.30	18.54	18.48				
5	16QAM	12	13	18.02	18.34	18.40				
5	16QAM	25	0	18.09	18.53	18.39				

Band 2_Ant 31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low P ₀ (dBm)	Power Max P ₀ (dBm)	Power High P ₀ (dBm)	Power Min P ₀ (dBm)	Turn-up time (ms)	MPR (dB)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.17	18.51	18.30				
20	QPSK	1	48	18.29	18.60	18.52		20.5	0	
20	QPSK	1	96	18.17	18.49	18.48				
20	QPSK	50	0	18.12	18.48	18.47				
20	QPSK	50	24	18.19	18.48	18.48		20.5	0	
20	QPSK	50	50	18.13	18.44	18.20				
20	QPSK	100	0	18.16	18.47	18.45				
20	16QAM	1	0	18.55	18.57	18.52				
20	16QAM	1	48	18.50	18.55	18.53		20.5	0	
20	16QAM	1	96	18.27	18.53	18.54				
20	16QAM	50	0	18.15	18.43	18.43				
20	16QAM	50	24	18.20	18.45	18.45		20.5	0	
20	16QAM	50	50	18.12	18.45	18.49				
20	16QAM	100	0	18.15	18.44	18.48				
20	16QAM	1	0	18.18	18.55	18.43				
20	16QAM	1	48	18.40	18.55	18.52		20.5	0	
20	16QAM	1	96	18.17	18.51	18.47				
20	16QAM	50	0	18.16	18.41	18.47				
20	16QAM	50	24	18.21	18.46	18.55		20.5	0	
20	16QAM	50	50	18.15	18.43	18.48				
20	16QAM	100	0	18.15	18.43	18.47				
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.07	18.50	18.29		Turn-up time (ms)	MPR (dB)	
15	QPSK	1	37	18.27	18.49	18.44		20.5	0	
15	QPSK	1	74	18.02	18.48	18.34				
15	QPSK	37	0	18.42	18.37	18.38				
15	QPSK	36	20	18.19	18.39	18.46		20.5	0	
15	QPSK	72	0	18.18	18.34	18.44				
15	16QAM	1	0	18.30	18.42	18.41				
15	16QAM	1	37	18.41	18.51	18.53		20.5	0	
15	16QAM	1	74	18.20	18.45	18.52				
15	16QAM	36	0	18.10	18.38	18.41				
15	16QAM	36	20	18.12	18.35	18.38		20.5	0	
15	16QAM	36	50	18.06	18.41	18.49				
15	16QAM	72	0	18.08	18.34	18.43				
15	16QAM	1	0	18.26	18.54	18.40		20.5	0	
15	16QAM	1	37	18.39	18.48	18.53				
15	16QAM	1	74	18.11	18.50	18.36				
15	16QAM	36	0	18.10	18.38	18.43				
15	16QAM	36	20	18.11	18.31	18.38		20.5	0	
15	16QAM	36	50	18.02	18.26	18.38				
15	16QAM	72	0	18.04	18.30	18.38				
Channel										
Frequency (MHz)										
10	QPSK	1	0	18.05	18.44	18.29		Turn-up time (ms)	MPR (dB)	
10	QPSK	1	25	18.25	18.47	18.47		20.5	0	
10	QPSK	1	49	18.06	18.45	18.35				
10	QPSK	25	0	18.26	18.36	18.40				
10	QPSK	25	25	18.11	18.31	18.33		20.5	0	
10	QPSK	50	0	18.05	18.44	18.45				
10	QPSK	50	25	18.12	18.44	18.44				
10	16QAM	1	0	18.20	18.54	18.40				
10	16QAM	1	25	18.50	18.43	18.47		20.5	0	
10	16QAM	1	49	18.22	18.48	18.38				
10	16QAM	25	0	18.06	18.28	18.33				
10	16QAM	25	25	18.08	18.41	18.46		20.5	0	
10	16QAM	50	0	18.11	18.35	18.34				
10	16QAM	50	25	18.14	18.34	18.43				
10	16QAM	1	0	18.14	18.34	18.43				
10	16QAM	1	25	18.43	18.53	18.52		20.5	0	
10	16QAM	1	49	18.13	18.42	18.40				
10	16QAM	25	0	18.06	18.41	18.46				
10	16QAM	25	25	18.08	18.39	18.38		20.5	0	
10	16QAM	50	0	18.11	18.36	18.34				
10	16QAM	50	25	18.11	18.31	18.38		20.5	0	
Channel										
Frequency (MHz)										
5	QPSK	1	0	18.14	18.54	18.37		Turn-up time (ms)	MPR (dB)	
5	QPSK	1	12	18.18	18.54	18.38		20.5	0	
5	QPSK	1	24	18.08	18.36	18.43				
5	QPSK	12	0	18.42	18.44	18.42				
5	QPSK	12	7	18.13	18.43	18.47				
5	QPSK	12	13	18.13	18.37	18.39				
5	QPSK	12	19	18.08	18.33	18.33		20.5	0	
5	16QAM	1	0	18.34	18.55	18.41				
5	16QAM	1	12	18.41	18.55	18.51		20.5	0	
5	16QAM	1	24	18.20	18.53	18.42				
5	16QAM	12	0	18.14	18.35	18.30				
5	16QAM	12	7	18.17	18.44	18.47		20.5	0	
5	16QAM	12	13	18.11	18.42	18.38				
5	16QAM	12	19	18.02	18.38	18.41				
5	16QAM	1	0	18.50	18.52	18.50		20.5	0	
5	16QAM	1	12	18.34	18.43	18.40				
5	16QAM	1	24	18.14	18.43	18.38		20.5	0	
5	16QAM	12	0	18.08	18.28	18.47				
5	16QAM	12	7	18.15	18.40	18.40				
5	16QAM	12	13	18.05	18.31	18.38		20.5	0	
5	16QAM	12	19	18.01	18.31	18.31				

Band 4_Ant 31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Frac)	Power Meds Ch. 1 (Frac)	Power High Ch. 1 (Frac)	Turn-up (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	10.90	10.91	10.92			21	0
20	QPSK	1	40	10.90	10.91	10.92				
20	QPSK	1	80	10.90	10.91	10.92				
20	QPSK	50	0	10.91	10.90	10.92				
20	QPSK	50	24	10.92	10.90	10.93			21	0
20	QPSK	50	50	10.92	10.91	10.91				
20	QPSK	100	0	10.90	10.92	10.90				
20	HQAM	1	0	10.92	10.90	10.92				
20	HQAM	1	40	10.92	10.90	10.92			21	0
20	HQAM	1	80	10.90	10.92	10.92				
20	HQAM	50	0	10.92	10.92	10.91				
20	HQAM	50	24	10.92	10.92	10.90				
20	HQAM	50	50	10.92	10.92	10.90			21	0
20	HQAM	100	0	10.92	10.92	10.90				
20	HQAM	100	0	10.92	10.92	10.90				
Channel										
Frequency (MHz)										
10	QPSK	1	0	10.93	10.90	10.92			21	0
10	QPSK	1	40	10.90	10.90	10.92				
10	QPSK	1	80	10.90	10.90	10.92				
10	QPSK	50	0	10.93	10.90	10.92				
10	QPSK	50	24	10.92	10.90	10.92			21	0
10	QPSK	50	50	10.92	10.90	10.92				
10	HQAM	1	0	10.90	10.90	10.92				
10	HQAM	1	40	10.90	10.92	10.92			21	0
10	HQAM	1	80	10.92	10.92	10.90				
10	HQAM	50	0	10.92	10.92	10.90				
10	HQAM	50	24	10.92	10.92	10.90				
10	HQAM	50	50	10.92	10.92	10.90			21	0
10	HQAM	100	0	10.92	10.92	10.90				
10	HQAM	100	0	10.92	10.92	10.90				
Channel										
Frequency (MHz)										
5	QPSK	1	0	10.93	10.90	10.92			21	0
5	QPSK	1	40	10.90	10.90	10.92				
5	QPSK	1	80	10.90	10.90	10.92				
5	QPSK	50	0	10.93	10.90	10.92				
5	QPSK	50	24	10.92	10.90	10.92			21	0
5	QPSK	50	50	10.92	10.90	10.92				
5	HQAM	1	0	10.90	10.90	10.92				
5	HQAM	1	40	10.90	10.92	10.92			21	0
5	HQAM	1	80	10.92	10.92	10.90				
5	HQAM	50	0	10.92	10.92	10.90				
5	HQAM	50	24	10.92	10.92	10.90				
5	HQAM	50	50	10.92	10.92	10.90			21	0
5	HQAM	100	0	10.92	10.92	10.90				
5	HQAM	100	0	10.92	10.92	10.90				

Band 5_Ant 13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Frac)	Power Meds Ch. 1 (Frac)	Power High Ch. 1 (Frac)	Turn-up (dB)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.80	20.80	20.82			24.5	0
10	QPSK	1	20	22.71	22.80	22.81				
10	QPSK	1	40	22.70	22.82	22.73				
10	QPSK	50	0	21.68	21.83	21.83				
10	QPSK	20	10	21.72	21.86	21.84			23.5	1
10	QPSK	20	20	21.71	21.68	21.69				
10	QPSK	50	0	21.75	21.70	21.75				
10	HQAM	1	0	22.02	22.10	21.97				
10	HQAM	1	20	22.08	22.04	21.95			23.5	1
10	HQAM	1	40	22.08	21.83	22.24				
10	HQAM	20	0	20.88	20.86	20.91				
10	HQAM	20	10	20.85	20.75	20.85				
10	HQAM	20	20	20.84	20.68	20.71			22.5	2
10	HQAM	50	0	20.74	20.75	20.79				
10	HQAM	1	0	20.75	20.92	20.92				
10	HQAM	1	20	20.72	20.78	21.02			22.5	2
10	HQAM	1	40	20.84	20.95	20.75				
10	HQAM	20	0	19.98	19.99	19.72				
10	HQAM	20	10	19.84	19.70	19.85			21.5	3
10	HQAM	20	20	19.88	19.93	19.72				
10	HQAM	50	0	19.87	19.71	19.78				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.84	22.83	22.83			24.5	0
5	QPSK	1	10	22.82	22.83	22.83				
5	QPSK	1	20	22.84	22.75	22.84				
5	QPSK	10	0	21.80	21.85	21.85				
5	QPSK	10	7	21.80	21.85	21.90			23.5	1
5	QPSK	10	14	21.80	21.85	21.90				
5	QPSK	20	0	21.79	21.90	21.90				
5	HQAM	1	0	21.91	22.22	22.23				
5	HQAM	1	10	22.24	22.11	22.35			23.5	1
5	HQAM	1	20	22.27	21.99	21.88				
5	HQAM	10	0	20.78	20.88	20.88				
5	HQAM	10	7	20.83	20.78	20.78			22.5	2
5	HQAM	10	14	20.81	20.82	20.74				
5	HQAM	20	0	20.83	20.84	20.82				
5	HQAM	20	7	20.80	20.80	21.04			22.5	2
5	HQAM	1	0	20.71	21.13	21.25				
5	HQAM	1	10	20.71	21.13	21.25				
5	HQAM	10	0	19.71	19.85	19.94			21.5	3
5	HQAM	10	7	19.80	19.80	19.92				
5	HQAM	20	0	19.70	19.79	19.90				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.75	22.81	22.86			24.5	0
1.4	QPSK	1	10	22.82	22.73	22.81				
1.4	QPSK	1	20	22.77	22.82	22.83				
1.4	QPSK	50	0	21.76	21.85	21.86				
1.4	QPSK	50	24	21.80	21.85	21.89			23.5	1
1.4	QPSK	50	50	21.77	21.80	21.88				
1.4	QPSK	10	0	21.76	21				22.5	2
1.4	QPSK	10	7	20.76	20.77	20.77				
1.4	QPSK	10	14	20.76	20.77	20.77				
1.4	HQAM	1	0	22.22	22.22	22.22			23.5	1
1.4	HQAM	1	10	22.14	22.14	22.17				
1.4	HQAM	1	20	22.14	22.14	22.17				
1.4	HQAM	10	0	20.72	20.75	21.01			22.5	2
1.4	HQAM	8	0	20.72	20.75	20.99				
1.4	HQAM	8	7	20.84	20.84	20.99				
1.4	HQAM	15	0	20.78	20.71	20.97			22.5	2
1.4	HQAM	15	7	20.78	20.71	20.97				
1.4	HQAM	15	14	20.78	20.71	20.97				
1.4	HQAM	1	10	21.01	21.09	20.85			21.5	3
1.4	HQAM	1	20	21.01	21.09	20.85				
1.4	HQAM	8	0	19.73	19.87	19.70				
1.4	HQAM	8	7	19.78	19.70	19.77			21.5	3
1.4	HQAM	8	14	19.78	19.70	19.77				
1.4	HQAM	15	0	19.78	19.72	19.72				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.75	22.73	22.73			24.5	0
1.4	QPSK	1	10	22.81	22.63	22.84				
1.4	QPSK	1	20	22.72	22.76	22.83				
1.4	QPSK	50	0	21.73	21.86	21.86				
1.4	QPSK	50	1	21.83	21.78	21.80			23.5	1
1.4	QPSK	50	2	21.83	21.78	21.80				
1.4	QPSK	10	0	21.72	21.86	21.86			22.5	2
1.4	QPSK	10	7	20.72	20.72	20.75				
1.4	QPSK	10	14	20.72	20.72	20.75				
1.4	HQAM	1	0	22.22	22.22	22.22			23.5	1
1.4	HQAM	1	10	22.15	22.15	22.15				
1.4	HQAM	1	20	22.15	22.15	22.15				
1.4	HQAM	10	0	20.72	20.75	21.02			22.5	2
1.4	HQAM	10	7	20.72	20.75	20.99				
1.4	HQAM	10	14	20.72	20.75	20.99				
1.4	HQAM	15	0	20.88	20.83	20.96			21.5	3
1.4	HQAM	15	7	20.88	20.83	20.96				
1.4	HQAM	15	14	20.88	20.83	20.96				
1.4	HQAM	1	10	20.98	20.78	21.04			22.5	2
1.4	HQAM	1	20	20.97	20.78	21.04				
1.4	HQAM	8	0	20.97	20.82	21.07				
1.4	HQAM	3	0	20.82	20.80	20.97			21.5	3
1.4	HQAM	3	7	20.82	20.80	20.97				
1.4	HQAM	3	14	20.82	20.80	20.97				

Band 7_Ant 13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch 1 / Power Ch 2 / Power Ch 3 / Power Ch 4	Power High Ch 1 / Power Ch 2 / Power Ch 3 / Power Ch 4	Turn-up time (min)	MPR (dB)			
Channel										
Frequency (MHz)										
20	QPSK	1	0	14.82 14.76 14.76	14.82 14.76 14.76	16	0			
20	QPSK	1	48	14.89 14.80 14.98	14.89 14.80 14.98					
20	QPSK	1	96	14.88 14.80 14.98	14.88 14.80 14.98					
20	QPSK	20	0	14.88 14.80 14.98	14.88 14.80 14.98					
20	QPSK	20	24	14.77 14.94 15.03	14.77 14.94 15.03	16	0			
20	QPSK	20	50	14.65 14.91 14.88	14.65 14.91 14.88					
20	QPSK	100	0	14.69 14.90 14.94	14.69 14.90 14.94					
20	16QAM	1	0	14.82 15.02 15.07	14.82 15.02 15.07					
20	16QAM	1	48	15.02 14.88 15.02	15.02 14.88 15.02	16	0			
20	16QAM	1	96	14.97 15.01 15.08	14.97 15.01 15.08					
20	16QAM	20	0	14.74 14.85 14.90	14.74 14.85 14.90					
20	16QAM	20	24	14.75 14.88 14.90	14.75 14.88 14.90	16	0			
20	16QAM	20	50	14.68 14.88 15.04	14.68 14.88 15.04					
20	16QAM	100	0	14.62 14.83 15.02	14.62 14.83 15.02					
20	16QAM	1	0	14.77 14.84 15.02	14.77 14.84 15.02					
20	16QAM	1	48	14.97 15.01 15.08	14.97 15.01 15.08	16	0			
20	16QAM	1	96	14.90 14.97 15.01	14.90 14.97 15.01					
20	16QAM	20	0	14.68 14.81 15.05	14.68 14.81 15.05					
20	16QAM	20	24	14.75 14.88 14.90	14.75 14.88 14.90	16	0			
20	16QAM	20	50	14.68 14.88 15.04	14.68 14.88 15.04					
20	16QAM	100	0	14.65 14.84 15.01	14.65 14.84 15.01					
Channel										
20565 21000 21010										
Frequency (MHz)										
15	QPSK	1	0	14.75 14.98 14.75	14.75 14.98 14.75	16	0			
15	QPSK	1	27	14.78 14.98 14.88	14.78 14.98 14.88					
15	QPSK	1	74	14.72 14.80 14.97	14.72 14.80 14.97					
15	QPSK	20	0	14.53 14.88 14.93	14.53 14.88 14.93	16	0			
15	QPSK	20	24	14.67 14.98 14.82	14.67 14.98 14.82					
15	QPSK	20	50	14.54 14.90 14.85	14.54 14.90 14.85	16	0			
15	16QAM	1	0	14.84 14.98 15.03	14.84 14.98 15.03					
15	16QAM	1	27	15.00 14.88 15.03	15.00 14.88 15.03	16	0			
15	16QAM	1	74	14.83 14.74 14.95	14.83 14.74 14.95					
15	16QAM	20	0	14.65 14.75 14.90	14.65 14.75 14.90					
15	16QAM	20	24	14.63 14.78 14.87	14.63 14.78 14.87	16	0			
15	16QAM	20	50	14.58 14.78 14.97	14.58 14.78 14.97					
15	16QAM	100	0	14.59 14.77 14.94	14.59 14.77 14.94					
15	16QAM	100	0	14.62 14.73 14.88	14.62 14.73 14.88	16	0			
15	16QAM	1	27	14.85 14.87 14.97	14.85 14.87 14.97					
15	16QAM	1	74	14.84 14.80 14.90	14.84 14.80 14.90	16	0			
15	16QAM	20	0	14.68 14.70 15.02	14.68 14.70 15.02					
15	16QAM	20	24	14.82 14.80 14.97	14.82 14.80 14.97	16	0			
15	16QAM	20	50	14.67 14.77 15.04	14.67 14.77 15.04					
15	16QAM	100	0	14.53 14.78 14.87	14.53 14.78 14.87					
Channel										
20565 21000 21010										
Frequency (MHz)										
10	QPSK	1	0	14.76 14.81 14.71	14.76 14.81 14.71	16	0			
10	QPSK	1	25	14.73 14.94 14.94	14.73 14.94 14.94					
10	QPSK	1	48	14.75 14.71 14.84	14.75 14.71 14.84	16	0			
10	QPSK	20	0	14.52 14.82 14.87	14.52 14.82 14.87	16	0			
10	QPSK	20	12	14.72 14.82 14.88	14.72 14.82 14.88					
10	QPSK	20	25	14.60 14.78 14.74	14.60 14.78 14.74	16	0			
10	QPSK	20	50	14.53 15.03 14.91	14.53 15.03 14.91					
10	16QAM	1	0	14.79 15.02 15.06	14.79 15.02 15.06	16	0			
10	16QAM	1	25	14.91 14.87 14.91	14.91 14.87 14.91					
10	16QAM	1	48	14.91 14.78 15.08	14.91 14.78 15.08					
10	16QAM	20	0	14.74 14.85 14.87	14.74 14.85 14.87	16	0			
10	16QAM	20	12	14.87 14.82 14.90	14.87 14.82 14.90					
10	16QAM	20	25	14.77 14.83 14.90	14.77 14.83 14.90					
10	16QAM	1	0	14.87 14.88 15.02	14.87 14.88 15.02	16	0			
10	16QAM	1	25	14.97 14.86 14.95	14.97 14.86 14.95					
10	16QAM	1	48	14.88 14.98 14.95	14.88 14.98 14.95	16	0			
10	16QAM	20	0	14.62 14.79 14.91	14.62 14.79 14.91					
10	16QAM	20	12	14.81 14.73 14.98	14.81 14.73 14.98	16	0			
10	16QAM	20	25	14.56 14.75 14.94	14.56 14.75 14.94					
10	16QAM	100	0	14.52 14.72 14.95	14.52 14.72 14.95					
Channel										
20575 21000 21010										
Frequency (MHz)										
5	QPSK	1	0	14.72 14.80 14.80	14.72 14.80 14.80	16	0			
5	QPSK	1	12	14.83 14.88 14.97	14.83 14.88 14.97					
5	QPSK	1	24	14.73 14.80 14.87	14.73 14.80 14.87					
5	QPSK	12	0	14.66 14.87 14.80	14.66 14.87 14.80	16	0			
5	QPSK	12	13	14.55 14.90 14.80	14.55 14.90 14.80					
5	QPSK	25	0	14.85 15.04 14.91	14.85 15.04 14.91					
5	16QAM	1	0	14.70 14.82 14.90	14.70 14.82 14.90	16	0			
5	16QAM	1	12	14.97 14.88 14.94	14.97 14.88 14.94					
5	16QAM	1	24	14.96 14.82 15.08	14.96 14.82 15.08					
5	16QAM	12	0	14.65 14.72 14.90	14.65 14.72 14.90	16	0			
5	16QAM	12	7	14.68 14.74 14.90	14.68 14.74 14.90					
5	16QAM	12	13	14.51 14.80 14.92	14.51 14.80 14.92	16	0			
5	16QAM	25	0	14.48 14.82 14.88	14.48 14.82 14.88					
5	16QAM	1	0	14.77 14.70 14.88	14.77 14.70 14.88	16	0			
5	16QAM	1	12	14.85 14.87 14.97	14.85 14.87 14.97					
5	16QAM	1	24	14.78 14.91 14.95	14.78 14.91 14.95	16	0			
5	16QAM	12	0	14.88 14.80 14.97	14.88 14.80 14.97					
5	16QAM	12	7	14.73 14.74 14.94	14.73 14.74 14.94					
5	16QAM	12	13	14.53 14.81 14.93	14.53 14.81 14.93	16	0			
5	16QAM	25	0	14.51 14.78 14.93	14.51 14.78 14.93					

Band 7_Ant 31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch 1 / Power Ch 2 / Power Ch 3 / Power Ch 4	Power High Ch 1 / Power Ch 2 / Power Ch 3 / Power Ch 4	Turn-up time (min)	MPR (dB)			
Channel										
Frequency (MHz)										
20565 21000 21005 21010										
20	QPSK	1	0	18.82 18.94 19.08	18.82 18.94 19.08	20.5	0			
20	QPSK	1	48	19.11 19.10 19.23	19.11 19.10 19.23					
20	QPSK	1	96	18.89 18.90 19.04	18.89 18.90 19.04					
20	QPSK	20	0	19.01 19.04 19.11	19.01 19.04 19.11					
20	QPSK	20	24	18.95 19.20 19.15	18.95 19.20 19.15	20.5	0			
20	QPSK	20	50	18.80 19.17 19.04	18.80 19.17 19.04					
20	QPSK	100	0	18.91 19.12 19.02	18.91 19.12 19.02					
20	QPSK	1	99	19.13 19.20 19.04	19.13 19.20 19.04	20.5				
20	QPSK	1	99	19.05 19.05 19.19	19.05 19.05 19.19					
20	QPSK	100	0	18.90 19.05 19.04	18.90 19.05 19.04					
20	QPSK	20	24	18.91 19.20 19.15	18.91 19.20 19.15					
20	QPSK	20	50	18.90 19.17 19.04	18.90 19.17 19.04	20.5	0			
20	QPSK	100	0	18.88 19.11 19.22	18.88 19.11 19.22					
20	QPSK	1	99	19.13 19.20 19.04	19.13 19.20 19.04	20.5				
20	QPSK	1	99	19.05 19.05 19.19	19.05 19.05 19.19					
20	QPSK	100	0	18.90 19.05 19.04	18.90 19.05 19.04					
20	QPSK	20	24	18.91 19.20 19.15	18.91 19.20 19.15					
20	QPSK	20	50	18.90 19.17 19.04	18.90 19.17 19.04	20.5	0			
20	QPSK	100	0	18.88 19.11 19.22	18.88 19.11 19.22					
20	QPSK	1	99	19.13 19.20 19.04	19.13 19.20 19.04	20.5				
20	QPSK	1	99	19.05 19.05 19.19	19.05 19.05 19.19					
20	QPSK	100	0	18.90 19.05 19.04	18.90 19.05 19.04					
20	QPSK	20	24	18.91 19.20 19.15	18.91 19.20 19.15					
20	QPSK	20	50	18.90 19.17 19.04	18.90 19.17 19.04	20.5	0			
20	QPSK	100	0	18.88 19.11 19.22	18.88 19.11 19.22					
20	QPSK	1	99	19.13 19.20 19.04	19.13 19.20 19.04	20.5				
20	QPSK	1	99	19.05 19.05 19.19	19.05 19.05 19.19					
20	QPSK	100	0	18.90 19.05 19.04	18.90 19.05 19.04					
20	QPSK	20	24	18.91 19.20 19.15	18.91 19.20 19.15					
20	QPSK	20	50	18.90 19.17 19.04	18.90 19.17 19.04	20.5	0			
20	QPSK	100	0	18.88 19.11 19.22	18.88 19.11 19.22					
20	QPSK	1	99	19.13 19.20 19.04	19.13 19.20 19.04	20.5				
20	QPSK	1	99	19.05 19.05 19.19	19.05 19.05 19.19					
20	QPSK	100	0	18.90 19.05 19.04	18.90 19.05 19.04					
20	QPSK	20	24	18.91 19.20 19.15	18.91 19.20 19.15					
20	QPSK	20	50	18.90 19.17 19.04	18.90 19.17 19.04	20.5	0			
20	QPSK	100	0	18.88 19.11 19.22	18.88 19.11 19.22					
20	QPSK	1	99	19.13 19.20 19.04	19.13 19.20 19.04	20.5				
20	QPSK	1	99	19.05 19.05 19.19	19.05 19.05 19.19					
20	QPSK	100	0	18.90 19.05 19.04	18.90 19.05 19.04					
20	QPSK	20	24	18.91 19.20 19.15	18.91 19.20 19.15					
20	QPSK	20	50	18.90 19.17 19.04	18.90 19.17 19.04	20.5	0			
20	QPSK	100	0	18.88 19.11 19.22	18.88 19.11 19.22					
20	QPSK	1	99	19.13 19.20 19.04	19.13 19.20 19.04	20.5				
20	QPSK	1	99	19.05 19.05 19.19	19.05 19.05 19.19					
20	QPSK	100	0	18.90 19.05 19.04	18.90 19.05 19.04					
20	QPSK	20	24	18.91 19.20 19.15	18.91 19.20 19.15					
20	QPSK	20	50	18.90 19.17 19.04	18.90 19.17 19.04	20.5	0			
20	QPSK	100	0	18.88 19.11 19.22	18.88 19.11 19.22					
20	QPSK	1	99	19.13 19.20 19.04	19.13 19.20 19.04	20.5				
20	QPSK	1	99	19.05 19.05 19.19	19.05 19.05 19.19					
20	QPSK	100	0	18.90 19.05 19.04	18.90 19.05 19.04					
20	QPSK	20	24	18.91 19.20 19.15	18.91 19.20 19.15					
20	QPSK	20	50	18.90 19.17 19.04	18.90 19.17 19.04	20.5	0			
20	QPSK	100	0	18.88 19.11 19.22	18.88 19.11 19.22					
20	QPSK	1	99	19.13 19.20 19.04	19.13 19.20 19.04	20.5				
20	QPSK	1	99	19.05 19.05 19.19	19.05 19.05 19.19					
20	QPSK	100	0	18.90 19.05 19.04	18.90 19.05 19.04					
20	QPSK	20	24	18.91 19.20 19.15	18.91 19.20 19.15					
20	QPSK	20	50	18.90 19.17 19.04	18.90 19.17 19.04	20.5	0			
20	QPSK	100	0	18.88 19.11 19.22	18.88 19.11 19.22					
20	QPSK	1	99	19.13 19.20 19.04	19.13 19.20 19.04	20.5				
20	QPSK	1	99	19.05 19.05 19.19	19.05 19.05 19.19					
20	QPSK	100	0	18.90 19.05 19.04	18.90 19.05 19.04					
20	QPSK	20	24	18.91 19.20 19.15	18.91 19.20 19.15					
20	QPSK	20	50	18.90 19.17 19.04	18.90 19.17 19.04	20.5	0			
20	QPSK	100	0	18.88 19.11 19.22	18.88 19.11 19.22					
20	QPSK	1	99	19.13 19.20 19.04	19.13 19.20 19.04	20.5				
20	QPSK	1	99	19.05 19.05 19.19	19.05 19.05 19.19					
20	QPSK	100	0	18.90 19.05 19.04	18.90 19.05 19.04					
20	QPSK	20	24	18.91 19.20 19.15	18.91 19.20 19.15					
20	QPSK	20	50	18.90 19.17 19.04	18.90 19.17 19.04	20.5	0			
20	QPSK	100	0	18.88 19.11 19.22	18.88 19.11 19.22					
20	QPSK	1	99	19.13 19.20 19.04	19.13 19.20 19.04	20.5				
20	QPSK	1	99	19.05 19.05 19.19	19.05 19.05 19.19					
20	QPSK	100	0	18.90 19.05 19.04	18.90 19.05 19.04					
20	QPSK	20	24	18.91 19.20 19.15	18.91 19.20 19.15					
20	QPSK	20	50	18.90 19.17 19.04	18.90 19.17 19.04	20.5	0			
20	QPSK	100	0	18.88 19.11 19.22	18.88 19.11 19.22					
20	QPSK	1	99	19.13 19.20 19.04	19.13 19.20 19.04	20.5				
20	QPSK	1	99	19.05 19.05 19.19	19.05 19.05 19.19					
20	QPSK	100	0	18.90 19.05 19.04	18.90 19.05 19.04					
20	QPSK	20	24	18.91 19.20 19.15	18.91 19.20 19.15					
20	QPSK	20	50	18.90 19.17 19.04	18.90 19.17 19.04	20.5	0			
20	QPSK	100	0	18.88 19.11 19.22	18.88 19.11 19.22					
20	QPSK	1	99	19.13 19.20 19.04	19.13 19.20 19.04	20.5				
20	QPSK	1	99	19.05 19.05 19.19	19.05 19.05 19.19					
20	QPSK	100	0	18.90 19.05 19.04	18.90 19.05 19.04					
20	QPSK	20	24	18.91 19.20 19.15	18.91 19.20 19.15					
20	QPSK	20	50	18.90 19.17 19.04	18.90 19.17 19.04	20.5	0			
20	QPSK	100	0	18.88 19.11 19.22	18.88 19.11 19.22					
20	QPSK	1	99	19.13 19.20 19.04	19.13 19.20 19.04	20.5				
20	QPSK	1	99	19.05 19.05 19.19	19.05 19.05 19.19					
20	QPSK	100	0	18.90 19.05 19.04	18.90 19.05 19.04					
20	QPSK	20	24	18.91 19.20 19.15	18.91 19.20 19.15					
20	QPSK	20	50	18.90 19.17 19.04	18.90 19.17 19.04	20.5	0			
20	QPSK	100	0	18.88 19.11 19.22	18.88 19.11 19.22					
20	QPSK	1	99	19.13 19.20 19.04	19.13 19.20 19.04	20.5				
20	QPSK	1	99	19.05 19.05 19.19	19.05 19.05 19.19					
20	QPSK	100	0	18.90 19.05 19.04	18.90 19.05 19.04					
20	QPSK	20	24	18.91 19.20 19.15	18.91 19.20 19.15					
20	QPSK	20	50	18.90 19.17 19.04	18.90 19.17 19.04	20.5	0			
20	QPSK	100	0	18.88 19.11 19.22	18.88 19.11 19.22					
20	QPSK	1	99	19.13 19.20 19.04	19.13 19.20 19.04	20.5				
20	QPSK	1	99	19.05 19.05 19.19	19.05 19.05 19.19					
20	QPSK	100	0	18.90 19.05 19.04	18.90 19.05 19.04					
20	QPSK	20	24	18.91 19.20 19.15	18.91 19.20 19.15					
20	QPSK	20	50	18.90 19.17 19.04	18.90 19.17 19.04	20.5	0			
20	QPSK	100	0	18.88 19.11 19.22	18.88 19.11 19.22					
20	QPSK	1	99	19.13 19.20 19.04	19.13 19.20 19.04	20.5				
20	QPSK	1	99	19.05 19.05 19.19	19.05 19.05 19.19					
20	QPSK	100	0	18.90 19.05 19.04	18.90 19.05 19.04					
20	QPSK	20	24	18.91 19.20 19.15	18.91 19.20 19.15					
20	QPSK	20	50	18.90 19.17 19.04	18.90 19.17 19.04	20.5	0			
20	QPSK	100	0	18.88 19.11 19.22	18.88 19.11 19.22					
20	QPSK	1	99	19.13 19.20 19.04	19.13 19.20 19.04	20.5				
20	QPSK	1	99	19.05 19.05 19.19	19.05 19.05 19.19					
20	QPSK	100	0	18.90 19.05 19.04	18.90 19.05 19.04					
20	QPSK	20	24	18.91 19.20 19.15	18.91 19.20 19.15					
20	QPSK	20	50	18.90 19.17 19.04	18.90 19.17 19.04	20.5	0			
20	QPSK	100	0	18.88 19.11 19.22	18.88 19.11 19.22					
20	QPSK	1	99	19.13 19.20 19.04	19.13 19.20 19.04	20.5				
20	QPSK	1	99	19.05 19.05 19.19	19.05 19.05 19.19					
20	QPSK	100	0	18.90 19.05 19.04	18.90 19.05 19.04					
20	QPSK	20	24	18.91 19.20 19.15	18.91 19.20 19.15					
20	QPSK	20	50	18.90 19.17 19.04	18.90 19.17 19.04	20.5	0			
20	QPSK	100	0	18.88 19.11 19.22	18.88 19.11 19.22					
20	QPSK	1	99	19.13 19.20 19.04	19.13 19.20 19.04	20.5				
20	QPSK	1	99	19.05 19.05 19.19	19.05 19.05 19.19					
20	QPSK	100	0	18.90 19.05 19.04	18.90 19.05 19.04					
20	QPSK	20	24	18.91 19.20 19.15	18.91 19.20 19.15					
20	QPSK	20	50	18.90 19.17 19.04	18.90 19.17 19.04	20.5	0			
20	QPSK	100	0	18.88 19.11 19.22	18.88 19.11 19.22					
20	QPSK	1	99	19.13 19.20 19.04	19.13 19.20 19.04	20.5				
20	QPSK	1	9							



Reduced Power for DSI 8/10

Band 12_Ant 41									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power High Ch. 1 Freq.	Power Low Ch. 2 Freq.	Power High Ch. 2 Freq.	Turn-on time (dBm)	MFR (dB)
Channel									
23005 23005 23135									
Frequency (MHz)									
10	QPSK	1	0	23.33	23.33	23.33	23.33	24.5	0
10	QPSK	1	25	23.49	23.49	23.41	23.41		
10	QPSK	1	40	23.47	23.49	23.41	23.41	23.5	1
10	QPSK	25	0	23.43	23.45	23.33	23.44		
10	QPSK	25	12	22.44	22.47	22.33	22.33	22.5	2
10	QPSK	25	25	22.38	22.38	22.24	22.24		
10	QPSK	50	0	22.51	22.53	22.33	22.33	22.5	1
10	16QAM	1	0	22.42	22.77	22.41	22.41		
10	16QAM	1	25	22.68	22.61	22.46	22.46	22.5	1
10	16QAM	1	40	22.48	22.51	22.35	22.35		
10	16QAM	25	0	21.40	21.39	21.31	21.31	22.5	2
10	16QAM	25	12	21.44	21.36	21.36	21.36		
10	16QAM	25	25	21.38	21.32	21.15	21.15	22.5	2
10	16QAM	50	0	21.48	21.48	21.15	21.15		
10	16QAM	1	0	21.55	21.40	21.53	21.53	22.5	2
10	16QAM	1	25	21.71	21.68	21.32	21.32		
10	16QAM	1	40	21.69	21.70	21.32	21.32	21.5	3
10	16QAM	25	0	20.57	20.56	20.50	20.50		
10	16QAM	25	12	20.59	20.61	20.38	20.38	21.5	3
10	16QAM	25	25	20.59	20.61	20.38	20.38		
Channel				23005	23005	23005	23005	Turn-on time (dBm)	MFR (dB)
Frequency (MHz)									
5	QPSK	1	0	23.33	23.38	23.30	23.30	24.5	0
5	QPSK	1	12	23.42	23.45	23.46	23.46		
5	QPSK	1	24	23.58	23.51	23.24	23.24	23.5	1
5	QPSK	12	0	23.31	23.27	23.40	23.40		
5	QPSK	12	7	22.26	22.31	22.32	22.32	23.5	1
5	QPSK	12	14	22.18	22.23	22.36	22.36		
5	QPSK	25	0	22.27	22.34	22.36	22.36	23.5	1
5	16QAM	1	0	22.83	22.89	22.38	22.38		
5	16QAM	1	12	22.83	22.87	22.15	22.15	22.5	2
5	16QAM	1	24	22.48	22.73	22.89	22.89		
5	16QAM	12	0	21.23	21.53	21.38	21.38	22.5	2
5	16QAM	12	7	21.25	21.29	21.24	21.24		
5	16QAM	12	14	21.15	21.18	21.18	21.18	22.5	2
5	16QAM	25	0	21.30	21.40	21.38	21.38		
5	16QAM	1	0	21.58	21.50	21.54	21.54	22.5	2
5	16QAM	1	12	21.12	21.61	21.58	21.58		
5	16QAM	1	24	21.16	21.50	21.58	21.58	21.5	3
5	16QAM	12	0	20.52	20.50	20.43	20.43		
5	16QAM	12	7	20.57	20.49	20.46	20.46	21.5	3
5	16QAM	12	14	20.77	20.40	20.46	20.46		
Channel				23005	23005	23005	23005	Turn-on time (dBm)	MFR (dB)
Frequency (MHz)									
3	QPSK	1	0	23.33	23.32	23.33	23.33	24.5	0
3	QPSK	1	6	23.30	23.38	23.31	23.31		
3	QPSK	1	14	23.35	23.30	23.32	23.32	23.5	1
3	QPSK	8	0	22.34	22.23	22.28	22.28		
3	QPSK	8	4	22.28	22.36	22.24	22.24	23.5	1
3	QPSK	8	7	22.30	22.34	22.30	22.30		
3	QPSK	15	0	22.27	22.27	22.22	22.22	23.5	1
3	16QAM	1	0	22.85	22.76	22.13	22.13		
3	16QAM	1	14	22.53	22.30	22.60	22.60	22.5	2
3	16QAM	8	0	21.36	21.50	21.57	21.57		
3	16QAM	8	4	21.34	21.26	21.31	21.31	22.5	2
3	16QAM	8	7	21.22	21.36	21.24	21.24		
3	16QAM	15	0	21.32	21.26	21.44	21.44	22.5	2
3	16QAM	1	0	21.59	21.51	21.03	21.03		
3	16QAM	1	8	21.24	21.53	21.12	21.12	21.5	3
3	16QAM	1	14	21.46	21.10	21.54	21.54		
3	16QAM	8	0	20.56	20.56	20.41	20.41	21.5	3
3	16QAM	8	4	20.44	20.52	20.33	20.33		
3	16QAM	8	7	20.56	20.47	20.46	20.46	21.5	3
3	16QAM	15	0	20.45	20.52	20.36	20.36		
Channel				23017	23006	23007	23008	Turn-on time (dBm)	MFR (dB)
Frequency (MHz)									
1.4	QPSK	1	0	23.11	23.29	23.36	23.36	24.5	0
1.4	QPSK	1	3	23.24	23.52	23.40	23.40		
1.4	QPSK	1	6	23.03	23.48	23.40	23.40	23.5	1
1.4	QPSK	3	0	23.31	23.29	23.27	23.27		
1.4	QPSK	3	3	23.17	23.30	23.57	23.57	23.5	1
1.4	QPSK	3	3	23.32	23.30	23.33	23.33		
1.4	QPSK	6	0	22.39	22.38	22.25	22.25	23.5	1
1.4	16QAM	1	0	22.84	22.73	22.22	22.22		
1.4	16QAM	1	3	22.72	22.82	22.46	22.46	23.5	1
1.4	16QAM	1	5	22.59	22.63	22.58	22.58		
1.4	16QAM	3	0	22.09	22.43	22.22	22.22	22.5	2
1.4	16QAM	3	1	22.52	22.30	22.23	22.23		
1.4	16QAM	3	3	22.51	22.40	22.18	22.18	22.5	2
1.4	16QAM	6	0	21.32	21.42	21.30	21.30		
1.4	16QAM	1	0	21.37	21.26	21.05	21.05	22.5	2
1.4	16QAM	1	5	21.38	21.08	21.25	21.25		
1.4	16QAM	3	0	21.17	21.48	21.22	21.22	21.5	3
1.4	16QAM	3	1	21.40	21.10	21.53	21.53		
1.4	16QAM	3	3	21.48	21.53	21.52	21.52	21.5	3
1.4	16QAM	6	0	20.49	20.41	20.28	20.28		

Band 13_Ant 13									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 1 Freq.	Power High Ch. 1 Freq.	Turn-up time (dBm)	APRS (dB)	
Channel									
23005									
Frequency (MHz)									
10	QPSK	1	0	23.55	23.55	23.55	24.5	0	
10	QPSK	1	25	23.44	23.44	23.44			
10	QPSK	1	40	23.52	23.52	23.52	23.5	1	
10	QPSK	25	0	22.50	22.50	22.50			
10	QPSK	25	12	22.45	22.45	22.45	23.5	1	
10	QPSK	25	25	22.45	22.45	22.45			
10	16QAM	1	0	22.00	22.00	22.00	23.5	1	
10	16QAM	1	25	22.87	22.87	22.87			
10	16QAM	1	40	22.91	22.91	22.91	22.5	2	
10	16QAM	25	0	21.56	21.56	21.56			
10	16QAM	25	12	21.56	21.56	21.56	22.5	2	
10	16QAM	25	25	21.44	21.44	21.44			
10	16QAM	50	0	21.49	21.49	21.49	22.5	2	
10	16QAM	1	0	21.51	21.51	21.51			
10	16QAM	1	25	21.85	21.85	21.85	21.5	3	
10	16QAM	1	40	21.52	21.52	21.52			
10	16QAM	25	0	20.55	20.55	20.55	21.5	3	
10	16QAM	25	12	20.53	20.53	20.53			
10	16QAM	25	25	20.48	20.48	20.48	21.5	3	
10	16QAM	50	0	20.47	20.47	20.47			
Channel									
23005 23005 23055									
Frequency (MHz)									
5	QPSK	1	0	23.51	23.47	23.58	24.5	0	
5	QPSK	1	12	23.58	23.52	23.56			
5	QPSK	1	24	23.57	23.51	23.57	23.5	1	
5	QPSK	12	7	23.58	23.54	23.54			
5	QPSK	12	7	23.58	23.52	23.48	23.5	1	
5	QPSK	12	13	23.57	23.48	23.50			
5	16QAM	1	0	22.57	22.56	22.46	22.5	1	
5	16QAM	1	24	22.86	22.70	22.84			
5	16QAM	1	24	22.93	22.45	22.45	22.5	2	
5	16QAM	12	0	21.50	21.57	21.55			
5	16QAM	12	0	21.58	21.52	21.56	22.5	2	
5	16QAM	12	13	21.47	21.50	21.48			
5	16QAM	25	0	21.50	21.60	21.50	22.5	2	
5	16QAM	25	0	21.63	21.72	21.54			
5	16QAM	1	24	21.80	21.57	21.57	22.5	2	
5	16QAM	1	24	21.79	21.62	21.56			
5	16QAM	12	0	20.54	20.53	20.52	21.5	3	
5	16QAM	12	7	20.44	20.57	20.50			
5	16QAM	12	13	20.45	20.53	20.40	21.5	3	
5	16QAM	12	13	20.45	20.55	20.56			



Reduced Power for DSI 8/10

Band 17_Ant 13											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (mW)	Power High Ch. 1 (mW)	Power Low Ch. 2 (mW)	Power High Ch. 2 (mW)	Turn-up time (s)	MPR (dB)		
Channel											
Frequency (MHz)											
10	QPSK	1	0	23.30	23.30	23.30	23.30	24.5			
10	QPSK	1	36	23.43	23.45	23.41	23.41				
10	QPSK	1	48	23.41	23.17	23.32	23.32	23.5	1		
10	QPSK	25	0	22.23	22.19	22.14	22.14				
10	QPSK	25	12	22.36	22.31	22.26	22.26				
10	QPSK	25	25	22.28	22.22	22.16	22.16				
10	QPSK	25	0	22.21	22.20	22.19	22.19				
10	QPSK	25	0	22.15	22.12	22.09	22.09				
10	16QAM	1	0	22.01	22.00	22.00	22.00	23.5	1		
10	16QAM	1	36	22.17	22.03	22.02	22.02				
10	16QAM	25	0	21.19	21.25	21.10	21.10	22.5	2		
10	16QAM	25	12	21.31	21.25	21.08	21.08				
10	16QAM	25	0	21.27	21.14	21.10	21.10	22.5	2		
10	16QAM	25	12	21.07	21.42	21.10	21.10				
10	16QAM	1	36	21.48	21.03	21.03	21.03	21.5	3		
10	16QAM	1	48	21.58	21.26	21.00	21.00				
10	16QAM	25	0	20.40	20.20	20.30	20.30	21.5	3		
10	16QAM	25	12	20.51	20.43	20.35	20.35				
10	16QAM	25	25	20.53	20.37	20.28	20.28	21.5	3		
10	16QAM	25	0	20.47	20.36	20.30	20.30				
Channel											
Frequency (MHz)											
5	QPSK	1	0	23.45	23.36	23.19	23.19	24.5	0		
5	QPSK	1	12	23.42	23.45	23.39	23.39				
5	QPSK	1	24	23.44	23.46	23.38	23.38	23.5	1		
5	QPSK	12	7	22.38	22.37	22.36	22.36				
5	QPSK	12	0	22.38	22.38	22.33	22.33				
5	QPSK	25	0	22.38	22.36	22.35	22.35				
5	16QAM	1	0	22.40	22.49	22.43	22.43				
5	16QAM	1	12	22.45	22.06	22.06	22.06				
5	16QAM	1	24	22.54	22.01	22.15	22.15	22.5	2		
5	16QAM	12	0	21.42	21.29	21.43	21.43				
5	16QAM	12	7	21.37	21.34	21.34	21.34	22.5	2		
5	16QAM	12	13	21.37	21.36	21.27	21.27				
5	16QAM	25	0	21.22	21.32	21.42	21.42	22.5	2		
5	16QAM	25	0	21.48	21.35	21.53	21.53				
5	16QAM	1	12	21.88	21.72	21.65	21.65	21.5	3		
5	16QAM	1	24	21.51	21.40	21.50	21.50				
5	16QAM	12	0	20.00	20.02	20.07	20.07	21.5	3		
5	16QAM	12	7	20.01	20.49	20.49	20.49				
5	16QAM	12	13	20.54	20.42	20.37	20.37	21.5	3		
5	16QAM	25	0	20.54	20.57	20.52	20.52				

Band 17_Ant 41											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (mW)	Power High Ch. 1 (mW)	Power Low Ch. 2 (mW)	Power High Ch. 2 (mW)	Turn-up time (s)	MPR (dB)		
Channel											
Frequency (MHz)											
10	QPSK	1	0	23.38	23.39	23.43		24.5			
10	QPSK	1	36	23.53	23.54	23.44					
10	QPSK	1	48	23.33	23.39	23.40		23.5	1		
10	QPSK	25	0	22.20	22.20	22.20					
10	QPSK	25	12	22.35	22.41	22.33					
10	QPSK	25	25	22.30	22.17	22.10					
10	QPSK	25	0	22.29	22.31	22.22					
10	QPSK	25	0	22.09	22.02	22.16					
10	16QAM	1	0	22.26	22.05	22.01		23.5	1		
10	16QAM	1	36	22.07	22.34	22.23					
10	16QAM	25	0	21.25	21.27	21.19		22.5	2		
10	16QAM	25	12	21.41	21.36	21.40					
10	16QAM	25	25	21.41	21.38	21.10		22.5	2		
10	16QAM	25	0	21.30	21.17	21.21					
10	16QAM	1	36	21.51	21.58	21.05		22.5	2		
10	16QAM	1	48	21.57	21.05	21.47					
10	16QAM	25	0	20.36	20.33	20.38		21.5	3		
10	16QAM	25	12	20.54	20.54	20.53					
10	16QAM	25	25	20.46	20.48	20.38		21.5	3		
10	16QAM	25	0	20.44	20.37	20.39					
Channel											
Frequency (MHz)											
5	QPSK	1	0	23.39	23.21	23.17		24.5	0		
5	QPSK	1	12	23.39	23.26	23.27					
5	QPSK	1	24	23.22	23.25	23.24		23.5	1		
5	QPSK	12	7	22.19	22.27	22.28					
5	QPSK	12	13	22.37	22.22	22.16					
5	QPSK	25	0	22.25	22.19	22.29					
5	16QAM	1	0	22.05	22.50	22.03					
5	16QAM	1	12	22.79	22.34	22.72					
5	16QAM	12	0	21.20	21.22	21.25		22.5	2		
5	16QAM	12	7	21.31	20.08	21.26					
5	16QAM	12	13	21.23	21.17	21.18		22.5	2		
5	16QAM	25	0	21.26	21.18	21.33					
5	16QAM	1	12	21.57	21.58	21.37		21.5	3		
5	16QAM	1	24	21.37	21.32	21.56					
5	16QAM	12	0	20.44	20.42	20.48		21.5	3		
5	16QAM	12	7	20.38	20.49	20.44					
5	16QAM	12	13	20.40	20.41	20.38		21.5	3		
5	16QAM	25	0	20.45	20.31	20.32					

Band 26_Ant 13											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (mW)	Power High Ch. 1 (mW)	Power Low Ch. 2 (mW)	Power High Ch. 2 (mW)	Turn-up time (s)	MPR (dB)		
Channel											
Frequency (MHz)											
15	QPSK	1	0	23.78	23.38	23.65	23.65	24	0		
15	QPSK	1	37	22.78	22.50	22.76	22.76				
15	QPSK	1	74	22.75	22.64	22.75	22.75	23	1		
15	QPSK	36	0	21.68	21.64	21.61	21.61				
15	QPSK	36	20	21.68	21.71	21.63	21.63				
15	QPSK	36	39	21.63	21.65	21.62	21.62				
15	QPSK	75	0	21.67	21.73	21.67	21.67				
15	16QAM	1	0	22.00	21.90	21.59	21.59				
15	16QAM	1	37	22.03	21.85	22.07	22.07	23	1		
15	16QAM	1	74	21.98	22.07	21.76	21.76				
15	16QAM	36	0	20.70	20.61	20.76	20.76	22	2		
15	16QAM	36	26	20.71	20.65	20.69	20.69				
15	16QAM	36	54	20.64	20.59	20.50	20.50	22	2		
15	16QAM	75	0	20.65	20.61	20.74	20.74				
15	16QAM	1	36	20.72	20.65	20.30	20.30	22	2		
15	16QAM	1	37	20.74	20.63	20.71	20.71				
15	16QAM	1	74	20.60	20.43	20.64	20.64	21	3		
15	16QAM	36	0	19.60	19.58	19.68	19.68				
15	16QAM	36	20	19.69	19.64	19.75	19.75	21	3		
15	16QAM	36	39	19.72	19.65	19.62	19.62				
15	16QAM	75	0	19.70	19.60	19.66	19.66	21	3		
15	16QAM	75	0	19.75	19.68	19.70	19.70				
Channel											
Frequency (MHz)											
10	QPSK	1	0	22.77	22.58	22.79	22.79	24	0		
10	QPSK	1	36	22.79	22.77	22.79	22.79				
10	QPSK	1	48	22.78	22.72	22.74	22.74	23	1		
10	QPSK	25	0	21.75	21.76	21.65	21.65				
10	QPSK	25	12	21.84	21.75	21.83	21.83				
10	QPSK	25	25	21.73	21.73	21.68	21.68				
10	QPSK	25	0	21.83	21.74	21.82	21.82				
10	QPSK	25	0	22.20	22.13	21.85	21.85				
10	16QAM	1	0	21.60	21.68	21.76	21.76	23	1		
10	16QAM	1	36	21.78	21.77	21.70	21.70				
10	16QAM	1	74	21.63	21.72	21.80	21.80	22	2		
10	16QAM	12	0	20.88	20.75	20.90	20.90				
10	16QAM	12	0	20.73	20.65	20.81	20.81	22	2		
10	16QAM	12	13	20.78	20.67	20.84	20.84				
10	16QAM	12	13	20.78	20.67	20.84	20.84	22	2		
10	16QAM	25	0	20.80	20.88	20.95	20.95				
10	16QAM	25	0	20.80	20.88	20.95	20.95	22	2		
10	16QAM	1	12	21.04	20.94	21.12	21.12				
10	16QAM	1	24	21.07	21.01	21.02	21.02	21	3		
10	16QAM	1	36	21.02	21.02	21.02	21.02				
10	16QAM	12	7	19.82	19.72	19.80	19.80	21	3		
10	16QAM	12	7	19.82	19.72	19.80	19.80				
10	16QAM	25	12	19.74	19.67	19.76	19.76	21	3		
10	16QAM	25	12	19.74	19.67	19.76	19.76				
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.76	22.65	22.61	22.61	24	0		
5	QPSK	1	12	22.76	22.59	22.77	22.77				
5	QPSK	1	24	22.76	22.77	22.67	22.67	24	0		
5	QPSK	12	0	21.76	21.74	21.65	21.65				
5	QPSK	12	7	21.83	21.76	21.80	21.80	23	1		
5	QPSK	12	13	21.83	21.69	21.82	21.82				
5	QPSK	12	13	21.78	21.77	21.70	21.70	23	1		
5	16QAM	1	0	22.22	22.13	21.81	21.81				
5	16QAM	1	12	22.25	22.08	22.10	22.10	23	1		
5	16QAM	1	24	22.20	22.16	22.05	22.05				
5	16QAM	12	0	20.80	20.75	20.88	20.88	22	2		
5	16QAM	12	0	20.73	20.65	20.81	20.81				
5	16QAM	12	13	20.78	20.67	20.84	20.84	22	2		
5	16QAM	25	0	20.80	20.88	20.95	20.95				
5	16QAM	25	0	20.80	20.88	20.95	20.95	22	2		
5	16QAM	1	12	21.04	20.94	21.12	21.12				
5	16QAM	1	24	21.07	21.01	21.02	21.02	21	3		
5	16QAM	1	36	21.02	21.02	21.02	21.02				
5	16QAM	12	7	19.82	19.72	19.80	19.80	21	3		
5	16QAM	12	7	19.82	19.72	19.80	19.80				
5	16QAM	25	12	19.74	19.67	19.76	19.76	21	3		
5	16QAM	25	12	19.74	19.67	19.76	19.76				
Channel											
Frequency (MHz)											
3	QPSK	1	0	23.71	23.31	23.72	23.72	24	0		
3	QPSK	1	36	22.71	22.51	22.72	22.72				
3	QPSK	1	14	22.78	22.73	22.78	22.78	23	1		
3	QPSK	1	28	22.78	22.73	22.78	22.78				
3	QPSK	8	4	21.84	21.78	21.81	21.81	23	1		
3	QPSK	8	4	21.84	21.78	21.81	21.81				
3	QPSK	8	7	21.77	21.74	21.80	21.80	23	1		
3	QPSK	16	0	21.82	21.67	21.84	21.84				
3	16QAM	1	0	22.21	21.75	21.78	21.78	23	1		
3	16QAM	1	1	22.25	21.90	22.33	22.33				
3	16QAM	1	14	21.88	21.74	21.92	21.92	23	1		
3	16QAM	8	0	20.89	20.76	20.83	20.83				
3	16QAM	8	0	20.89	20.76	20.83	20.83	22	2		
3	16QAM	15	0	20.81	20.65	20.82	20.82				
3	16QAM	15	0	20.81	20.75	20.85	20.85	22	2		
3	16QAM	1	0	20.89	20.76	20.83	20.83				
3	16QAM	1	14	21.10	21.08	20.77	20.77	21	3		
3	16QAM	1	28	21.10	21.08	20.77	20.77				
3	16QAM	8	4	19.93	19.76	19.78	19.78	21	3		
3	16QAM	8	4	19.93	19.82	19.93	19.93				
3	16QAM	15	0	19.74	19.74	19.74	19.74	21	3		
3	16QAM	15	0	19.74	19.74	19.74	19.74				

Band 26_Ant 41															
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch 1 Power Ch 2	Power High Ch 1 Power Ch 2	Turn-up time (min)	MPR (dB)								
Channel															
Frequency (MHz)															
15	QPSK	1	0	22.78 22.78	22.78 22.78	24	0								
15	QPSK	1	37	22.78 22.78	22.78 22.78										
15	QPSK	1	74	22.87 22.87	22.87 22.87	23	1								
15	QPSK	1	111	21.68 21.68	21.71 21.71										
15	QPSK	36	36	21.75 21.75	21.75 21.75	22	2								
15	QPSK	36	72	21.57 21.58	21.63 21.63										
15	QPSK	36	108	21.47 21.70	21.74 21.74	21	3								
15	ISDM	1	0	21.62 21.67	22.04 22.04										
15	ISDM	1	37	21.62 21.66	21.96 22.00	23	1								
15	ISDM	1	74	21.67 21.69	21.73 21.73										
15	ISDM	36	36	20.75 20.70	20.78 20.79	22	2								
15	ISDM	36	72	20.75 20.68	20.69 20.69										
15	ISDM	36	108	20.50 20.53	20.55 20.55	22	2								
15	ISDM	36	144	20.68 20.62	20.77 20.77										
15	ISDM	1	0	20.82 20.89	20.85 20.85	22	2								
15	ISDM	1	37	20.86 20.87	20.83 20.83										
15	ISDM	1	74	20.85 21.00	20.88 20.88	21	3								
15	ISDM	36	0	19.88 19.83	19.85 19.85										
15	ISDM	36	20	19.87 19.88	19.85 19.85	20	4								
15	ISDM	36	36	19.79 19.72	19.81 19.81										
15	ISDM	36	52	19.77 19.71	19.83 19.83										
Channel															
Frequency (MHz)															
15	QPSK	1	0	22.78 22.78	22.77 22.77	24	0								
15	QPSK	1	37	22.72 22.64	22.81 22.81										
15	QPSK	36	36	21.78 21.63	21.82 21.82	23	1								
15	QPSK	36	72	21.76 21.64	21.78 21.78										
15	QPSK	36	108	21.78 21.68	21.73 21.73	23	1								
15	QPSK	36	144	21.78 21.68	21.73 21.73										
15	ISDM	1	0	22.18 21.89	22.21 22.21	23	1								
15	ISDM	1	37	22.02 21.84	21.97 21.97										
15	ISDM	1	74	21.59 21.54	22.24 22.24	22	2								
15	ISDM	36	0	20.88 20.84	20.82 20.82										
15	ISDM	36	20	20.77 20.74	20.71 20.71	22	2								
15	ISDM	36	36	20.68 20.61	20.56 20.56										
15	ISDM	36	52	20.68 20.68	20.67 20.67	22	2								
15	ISDM	36	72	20.95 20.85	20.48 20.48										
15	ISDM	1	0	20.76 20.76	20.70 20.70	21	3								
15	ISDM	1	37	20.76 20.76	20.61 20.61										
15	ISDM	36	0	19.92 19.85	19.91 19.91	20	4								
15	ISDM	36	20	19.98 19.82	19.83 19.83										
15	ISDM	36	36	19.87 19.82	19.82 19.82										
15	ISDM	36	52	19.93 19.81	19.81 19.81										
Channel															
Frequency (MHz)															
15	QPSK	1	0	22.79 22.63	22.69 22.69	24	0								
15	QPSK	1	37	22.80 22.69	22.74 22.74										
15	QPSK	36	36	22.83 22.69	22.70 22.70	23	1								
15	QPSK	36	72	21.74 21.68	21.82 21.82										
15	QPSK	36	108	21.75 21.68	21.77 21.77	23	1								
15	QPSK	36	144	21.72 21.67	21.87 21.87										
15	QPSK	36	180	21.67 21.68	21.74 21.74	23	1								
15	ISDM	1	0	21.80 22.22	21.96 21.96										
15	ISDM	1	37	22.05 21.98	22.18 22.18	22	2								
15	ISDM	36	36	20.75 20.68	20.68 20.68										
15	ISDM	36	72	20.77 20.64	20.69 20.69	22	2								
15	ISDM	36	108	20.50 20.67	21.02 21.02										
15	ISDM	36	144	20.87 20.87	21.03 21.03	22	2								
15	ISDM	36	180	20.82 20.82	20.99 20.99										
15	ISDM	36	216	19.95 19.91	20.68 20.68	21	3								
15	ISDM	36	252	19.90 19.82	20.50 20.50										
15	ISDM	36	288	19.84 19.73	19.82 19.82	20	4								
15	ISDM	36	324	19.98 19.79	19.94 19.94										
Channel															
Frequency (MHz)															
15	QPSK	1	0	22.78 22.56	22.78 22.78	24	0								
15	QPSK	1	37	22.67 22.50	22.83 22.83										
15	QPSK	36	36	22.77 22.64	22.87 22.87	23	1								
15	QPSK	36	72	21.68 21.68	21.78 21.78										
15	QPSK	36	108	21.65 21.59	21.72 21.72	23	1								
15	QPSK	36	144	21.71 21.52	21.65 21.65										
15	ISDM	1	0	21.68 21.54	21.72 21.72	23	1								
15	ISDM	1	37	21.63 21.68	21.68 21.68										
15	ISDM	1	74	22.21 21.59	21.97 21.97	22	2								
15	ISDM	36	0	20.84 20.88	20.83 20.83										
15	ISDM	36	36	20.85 20.82	20.68 20.68	22	2								
15	ISDM	36	72	20.80 20.80	20.71 20.71										
15	ISDM	36	108	20.84 20.82	20.68 20.68	22	2								
15	ISDM	36	144	20.71 20.52	20.84 20.84										
15	ISDM	36	180	20.74 20.57	20.87 20.87	22	2								
15	ISDM	36	216	20.74 20.57	20.87 20.87										
15	ISDM	36	252	19.80 19.74	19.85 19.85	21	3								
15	ISDM	36	288	19.80 19.74	19.85 19.85										
15	ISDM	36	324	19.88 19.71	19.89 19.89										

Band 66_Ant 13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch 1	Power High Ch 1	Power Low Ch 2	Power High Ch 2	Turn-up time (min)	Spectrum	
Channel										
Frequency (MHz)										
20	QPSK	1	0	19.11	19.14	19.14	19.18	20.2	0	
20	QPSK	1	37	19.11	19.15	19.15	19.18			
20	QPSK	1	74	19.34	19.38	19.38	19.42	20.2	0	
20	QPSK	1	111	19.34	19.38	19.38	19.42			
20	QPSK	36	36	19.11	19.25	19.25	19.30	20.2	0	
20	QPSK	36	72	19.16	19.28	19.28	19.32			
20	QPSK	36	108	19.25	19.22	19.22	19.25	20.2	0	
20	QPSK	36	144	19.16	19.28	19.28	19.32			
20	ISDM	1	0	19.26	19.28	19.28	19.31	20.2	0	
20	ISDM	1	37	19.35	19.29	19.29	19.31			
20	ISDM	1	74	19.31	19.22	19.22	19.25	20.2	0	
20	ISDM	1	111	19.31	19.22	19.22	19.25			
20	ISDM	36	36	19.11	19.25	19.25	19.30	20.2	0	
20	ISDM	36	72	19.16	19.28	19.28	19.32			
20	ISDM	36	108	19.25	19.22	19.22	19.25	20.2	0	
20	ISDM	36	144	19.16	19.28	19.28	19.32			
20	ISDM	1	0	19.26	19.28	19.28	19.31	20.2	0	
20	ISDM	1	37	19.35	19.29	19.29	19.31			
20	ISDM	1	74	19.31	19.22	19.22	19.25	20.2	0	
20	ISDM	1	111	19.31	19.22	19.22	19.25			
20	ISDM	36	36	19.11	19.25	19.25	19.30	20.2	0	
20	ISDM	36	72	19.16	19.28	19.28	19.32			
20	ISDM	36	108	19.25	19.22	19.22	19.25	20.2	0	
20	ISDM	36	144	19.16	19.28	19.28	19.32			
20	ISDM	1	0	19.26	19.28	19.28	19.31	20.2	0	
20	ISDM	1	37	19.35	19.29	19.29	19.31			
20	ISDM	1	74	19.31	19.22	19.22	19.25	20.2	0	
20	ISDM	1	111	19.31	19.22	19.22	19.25			
20	ISDM	36	36	19.11	19.25	19.25	19.30	20.2	0	
20	ISDM	36	72	19.16	19.28	19.28	19.32			
20	ISDM	36	108	19.25	19.22	19.22	19.25	20.2	0	
20	ISDM	36	144	19.16	19.28	19.28	19.32			
20	ISDM	1	0	19.26	19.28	19.28	19.31	20.2	0	
20	ISDM	1	37	19.35	19.29	19.29	19.31			
20	ISDM	1	74	19.31	19.22	19.22	19.25	20.2	0	
20	ISDM	1	111	19.31	19.22	19.22	19.25			
20	ISDM	36	36	19.11	19.25	19.25	19.30	20.2	0	
20	ISDM	36	72	19.16	19.28	19.28	19.32			
20	ISDM	36	108	19.25	19.22	19.22	19.25	20.2	0	
20	ISDM	36	144	19.16	19.28	19.28	19.32			
20	ISDM	1	0	19.26	19.28	19.28	19.31	20.2	0	
20	ISDM	1	37	19.35	19.29	19.29	19.31			
20	ISDM	1	74	19.31	19.22	19.22	19.25	20.2	0	
20	ISDM	1	111	19.31	19.22	19.22	19.25			
20	ISDM	36	36	19.11	19.25	19.25	19.30	20.2	0	
20	ISDM	36	72	19.16	19.28	19.28	19.32			
20	ISDM	36	108	19.25	19.22	19.22	19.25	20.2	0	
20	ISDM	36	144	19.16	19.28	19.28	19.32			
20	ISDM	1	0	19.26	19.28	19.28	19.31	20.2	0	
20	ISDM	1	37	19.35	19.29	19.29	19.31			
20	ISDM	1	74	19.31	19.22	19.22	19.25	20.2	0	
20	ISDM	1	111	19.31	19.22	19.22	19.25			
20	ISDM	36	36	19.11	19.25	19.25	19.30	20.2	0	
20	ISDM	36	72	19.16	19.28	19.28	19.32			
20	ISDM	36	108	19.25	19.22	19.22	19.25	20.2	0	
20	ISDM	36	144	19.16	19.28	19.28	19.32			
20	ISDM	1	0	19.26	19.28	19.28	19.31	20.2	0	
20	ISDM	1	37	19.35	19.29	19.29	19.31			
20	ISDM	1	74	19.31	19.22	19.22	19.25	20.2	0	
20	ISDM	1	111	19.31	19.22	19.22	19.25			
20	ISDM	36	36	19.11	19.25	19.25	19.30	20.2	0	
20	ISDM	36	72	19.16	19.28	19.28	19.32			
20	ISDM	36	108	19.25	19.22	19.22	19.25	20.2	0	
20	ISDM	36	144	19.16	19.28	19.28	19.32			
20	ISDM	1	0	19.26	19.28	19.28	19.31	20.2	0	
20	ISDM	1	37	19.35	19.29	19.29	19.31			
20	ISDM	1	74	19.31	19.22	19.22	19.25	20.2	0	
20	ISDM	1	111	19.31	19.22	19.22	19.25			
20	ISDM	36	36	19.11	19.25	19.25	19.30	20.2	0	
20	ISDM	36	72	19.16	19.28	19.28	19.32			
20	ISDM	36	108	19.25	19.22	19.22	19.25	20.2	0	
20	ISDM	36	144	19.16	19.28	19.28	19.32			
20	ISDM	1	0	19.26	19.28	19.28	19.31	20.2	0	
20	ISDM	1	37	19.35	19.29	19.29	19.31			
20	ISDM	1	74	19.31	19.22	19.22	19.25	20.2	0	
20	ISDM	1	111	19.31	19.22	19.22	19.25			
20	ISDM	36	36	19.11	19.25	19.25	19.30	20.2	0	
20	ISDM	36	72	19.16	19.28	19.28	19.32			
20	ISDM	36	108	19.25	19.22	19.22	19.25	20.2	0	
20	ISDM	36	144	19.16	19.28	19.28	19.32			
20	ISDM	1	0	19.26	19.28	19.28	19.31	20.2	0	
20	ISDM	1	37	19.35	19.29	19.29	19.31			
20	ISDM	1	74	19.31	19.22	19.22	19.25	20.2	0	
20	ISDM	1	111	19.31	19.22	19.22	19.25			
20	ISDM	36	36	19.11	19.25	19.25	19.30	20.2	0	
20	ISDM	36	72	19.16	19.28	19.28	19.32			
20	ISDM	36	108	19.25	19.22	19.22	19.25	20.2	0	
20	ISDM	36	144	19.16	19.28	19.28	19.32			
20	ISDM	1	0	19.26	19.28	19.28	19.31	20.2	0	
20	ISDM	1	37	19.35	19.29	19.29	19.31			
20	ISDM	1	74	19.31	19.22	19.22	19.25	20.2	0	
20	ISDM	1	111	19.31	19.22	19.22	19.25			
20	ISDM	36	36	19.11	19.25	19.25	19.30	20.2	0	
20	ISDM	36	72	19.16	19.28	19.28	19.32			
20	ISDM	36	108	19.25	19.22	19.22	19.25	20.2	0	
20	ISDM	36	144	19.16	19.28	19.28	19.32			
20	ISDM	1	0	19.26	19.28	19.28	19.31	20.2	0	
20	ISDM	1	37	19.35	19.29	19.29	19.31			
20	ISDM	1	74	19.31	19.22	19.22	19.25	20.2	0	
20	ISDM	1	111	19.31	19.22	19.22	19.25			
20	ISDM	36	36	19.11	19.25	19.25	19.30	20.2	0	
20	ISDM	36	72	19.16	19.28	19.28	19.32			
20	ISDM	36	108	19.25	19.22	19.22	19.25	20.2	0	
20	ISDM	36	144	19.16	19.28	19.28	19.32			
20	ISDM	1	0	19.26	19.28	19.28	19.31	20.2	0	
20	ISDM	1	37	19.35	19.29	19.29	19.31			
20	ISDM	1	74	19.31	19.22	19.22	19.25	20.2	0	
20	ISDM	1	111	19.31	19.22	19.22	19.25			
20	ISDM	36	36	19.11	19.25	19.25	19.30	20.2	0	
20	ISDM	36	72	19.16	19.28	19.28	19.32			
20	ISDM	36	108	19.25	19.22	19.22	19.25	20.2	0	
20	ISDM	36	144	19.16	19.28	19.28	19.32			
20	ISDM	1	0	19.26	19.28	19.28	19.31	20.2	0	
20	ISDM	1	37	19.35	19.29	19.29	19.31			
20	ISDM	1	74	19.31	19.22	19.22	19.25	20.2	0	
20	ISDM	1	111	19.31	19.22	19.22	19.25			
20	ISDM	36	36	19.11	19.25	19.25	19.30	20.2	0	
20	ISDM	36	72	19.16	19.28	19.28	19.32			
20	ISDM	36	108	19.25	19.22	19.22	19.25	20.2	0	
20	ISDM	36	144	19.16	19.28	19.28	19.32			
20	ISDM	1	0	19.26	19.28	19.28	19.31	20.2	0	
20	ISDM	1	37	19.35	19.29	19.29	19.31			
20	ISDM	1	74	19.31	19.22	19.22	19.25	20.2	0	
20	ISDM	1	111	19.31	19.22	19.22	19.25			
20	ISDM	36	36	19.11	19.25	19.25	19.30	20.2	0	
20	ISDM	36	72	19.16	19.28	19.28	19.32			
20	ISDM	36	108	19.25	19.22	19.22	19.25	20.2	0	
20	ISDM	36	144	19.16	19.28	19.28	19.32			
20	ISDM	1	0	19.26	19.28	19.28	19.31	20.2	0	
20	ISDM	1	37	19.35	19.29	19.29	19.31			
20	ISDM	1	74	19.31	19.22	19.22	19.25	20.2	0	
20	ISDM	1	111	19.31	19.22	19.22	19.25			
20	ISDM	36	36	19.11	19.25	19.25	19.30	20.2	0	
20	ISDM	36	72	19.16	19.28	19.28	19.32			
20	ISDM	36	108	19.25	19.22	19.22	19.25	20.2	0	
20	ISDM	36	144	19.16	19.28	19.28	19.32			
20	ISDM	1	0	19.26	19.28	19.28	19.31	20.2	0	
20	ISDM	1	37	19.35	19.29	19.29	19.31			
20	ISDM	1	74	19.31	19.22	19.22	19.25	20.2	0	
20	ISDM	1	111	19.31	19.22	19.22	19.25			
20	ISDM	36	36	19.11	19.25	19.25	19.30	20.2	0	
20	ISDM	36	72	19.16	19.28	19.28	19.32			
20	ISDM	36	108	19.25	19.22	19				

Band 38_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Co. (Frac.)	Power Mids Co. (Frac.)	Power High Co. (Frac.)	Power-up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
Channel									
30	QPSK	1	0	17.56	17.69	17.82	18.9	0	
30	QPSK	1	44	17.79	17.85	17.82			
30	QPSK	1	56	17.77	17.82	17.80			
30	QPSK	25	5	17.71	17.79	17.77	18.9	0	
30	QPSK	50	24	17.78	17.81	17.79			
30	QPSK	50	36	17.88	17.76	17.75			
30	16QAM	1	0	17.75	17.85	17.79	18.9	0	
30	16QAM	1	44	17.83	17.81	17.80			
30	16QAM	1	56	17.81	17.75	17.80			
30	16QAM	50	24	17.77	17.83	17.79	18.9	0	
30	16QAM	50	36	17.84	17.81	17.77			
30	16QAM	100	5	17.77	17.86	17.80			
30	16QAM	1	0	17.79	17.74	17.45	18.9	0	
30	16QAM	1	49	17.48	17.58	17.57			
30	16QAM	1	99	17.47	17.48	17.44			
Channel									
Frequency (MHz)									
15	QPSK	1	0	17.48	17.49	17.88	18.9	0	
15	QPSK	1	37	17.63	17.81	17.80			
15	QPSK	1	74	17.74	17.73	17.73			
15	QPSK	36	0	17.63	17.72	17.63	18.9	0	
15	QPSK	36	20	17.79	17.87	17.79			
15	QPSK	36	59	17.56	17.74	17.80			
15	QPSK	1	0	17.60	17.67	17.67	18.9	0	
15	16QAM	1	0	17.81	17.57	17.79			
15	16QAM	1	37	17.73	17.89	17.74			
15	16QAM	1	74	17.75	17.84	17.85	18.9	0	
15	16QAM	36	5	17.73	17.73	17.82			
15	16QAM	36	36	17.86	17.79	17.84			
15	16QAM	36	56	17.72	17.80	17.88	18.9	0	
15	16QAM	75	0	17.69	17.79	17.87			
15	16QAM	1	0	17.21	17.33	17.27			
15	16QAM	1	37	17.36	17.51	17.44	18.9	0	
15	16QAM	36	74	17.38	17.51	17.51			
15	16QAM	36	5	17.51	17.81	17.75			
15	16QAM	36	20	17.70	17.85	17.83	18.9	0	
15	16QAM	36	59	17.40	17.45	17.52			
15	16QAM	75	0	17.45	17.54	17.48			
Channel									
Frequency (MHz)									
10	QPSK	1	0	17.48	17.49	17.58	18.9	0	
10	QPSK	1	26	17.63	17.61	17.68			
10	QPSK	1	49	17.74	17.73	17.73			
10	QPSK	25	0	17.63	17.72	17.63	18.9	0	
10	QPSK	25	12	17.75	17.87	17.79			
10	QPSK	25	25	17.56	17.74	17.80			
10	QPSK	50	0	17.60	17.67	17.67	18.9	0	
10	16QAM	1	0	17.81	17.57	17.75			
10	16QAM	1	25	17.73	17.69	17.74			
10	16QAM	1	49	17.75	17.64	17.80	18.9	0	
10	16QAM	25	12	17.89	17.72	17.84			
10	16QAM	25	25	17.72	17.80	17.88			
10	16QAM	50	0	17.69	17.79	17.87	18.9	0	
10	16QAM	1	0	17.21	17.33	17.27			
10	16QAM	1	26	17.36	17.51	17.44			
10	16QAM	1	49	17.38	17.51	17.45	18.9	0	
10	16QAM	25	5	17.81	17.63	17.75			
10	16QAM	25	12	17.75	17.80	17.83			
10	16QAM	25	25	17.40	17.40	17.52	18.9	0	
10	16QAM	50	5	17.45	17.54	17.48			
Channel									
Frequency (MHz)									
5	QPSK	1	0	17.49	17.49	17.58	18.9	0	
5	QPSK	1	12	17.63	17.81	17.80			
5	QPSK	1	24	17.74	17.73	17.73			
5	QPSK	12	0	17.63	17.72	17.63	18.9	0	
5	QPSK	12	7	17.75	17.87	17.79			
5	QPSK	12	14	17.56	17.74	17.80			
5	QPSK	25	0	17.60	17.67	17.67	18.9	0	
5	16QAM	1	0	17.81	17.57	17.75			
5	16QAM	1	12	17.73	17.69	17.74			
5	16QAM	1	24	17.75	17.64	17.80	18.9	0	
5	16QAM	12	13	17.72	17.66	17.69			
5	16QAM	12	7	17.69	17.72	17.64			
5	16QAM	25	0	17.69	17.79	17.87	18.9	0	
5	16QAM	1	0	17.21	17.33	17.27			
5	16QAM	1	12	17.36	17.51	17.44			
5	16QAM	1	24	17.38	17.51	17.45	18.9	0	
5	16QAM	12	0	17.61	17.69	17.65			
5	16QAM	12	7	17.70	17.85	17.85			
5	16QAM	12	13	17.40	17.45	17.52	18.9	0	
5	16QAM	25	0	17.45	17.54	17.48			

Band 38_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low (dBm)	Power Mids (dBm)	Power High (dBm)	Power-up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	0	20.92	20.94	20.94	22.3	0	
30	QPSK	1	44	21.05	21.12	21.08			
30	QPSK	1	56	21.00	21.00	21.04			
30	QPSK	25	5	20.97	21.03	21.05	22.3	0	
30	QPSK	50	24	21.01	21.00	21.00			
30	QPSK	50	36	20.98	21.04	21.03			
30	QPSK	100	5	20.99	21.02	21.02	22.3	0	
30	16QAM	1	0	20.89	20.90	20.97			
30	16QAM	1	44	21.03	21.04	21.03			
30	16QAM	1	56	21.05	21.05	21.10	21.8	0.5	
30	16QAM	50	24	20.95	20.99	20.94			
30	16QAM	50	36	20.94	20.97	20.95			
30	16QAM	100	50	20.93	20.95	20.91	21.8	0.5	
30	16QAM	1	0	20.95	20.98	20.98			
30	16QAM	1	49	20.26	20.37	20.32			
30	16QAM	1	99	20.23	20.21	20.21	20.8	1.5	
30	16QAM	50	0	19.49	19.53	19.53			
30	16QAM	50	24	19.49	19.57	19.53			
30	16QAM	50	50	19.49	19.52	19.58	19.5		
30	16QAM	100	0	19.48	19.50	19.53			
Channel									
Frequency (MHz)									
15	QPSK	1	0	20.81	20.79	20.77	22.3	0	
15	QPSK	1	37	20.94	20.97	20.94			
15	QPSK	1	74	20.91	20.95	20.97			
15	QPSK	36	0	20.91	20.96	20.96	22.3	0	
15	QPSK	36	20	20.97	21.03	20.94			
15	QPSK	36	59	20.96	21.03	20.98			
15	QPSK	1	0	20.96	21.04	20.99	22.3	0	
15	16QAM	1	0	20.79	20.81	20.80			
15	16QAM	1	37	20.99	20.96	21.00			
15	16QAM	1	74	21.01	21.04	21.03	22.3	0	
15	16QAM	1	37	20.99	20.96	21.00			
15	16QAM	1	74	21.01	21.04	21.03			
15	16QAM	36	0	20.91	20.96	20.96	21.8	0.5	
15	16QAM	36	20	20.97	21.03	20.94			
15	16QAM	36	59	20.96	21.03	20.98			
15	16QAM	1	0	20.96	21.04	20.99	21.8	0.5	
15	16QAM	1	37	20.99	20.96	21.00			
15	16QAM	1	74	21.01	21.04	21.03			
15	16QAM	36	0	20.91	20.96	20.96	20.8	1.5	
15	16QAM	36	20	20.97	21.03	20.94			
15	16QAM	36	59	20.96	21.03	20.98			
15	16QAM	1	0	20.96	21.04	20.99	20.8	1.5	
15	16QAM	1	37	20.99	20.96	21.00			
15	16QAM	1	74	21.01	21.04	21.03			
Channel									
Frequency (MHz)									
10	QPSK	1	0	20.80	20.79	20.76	22.3	0	
10	QPSK	1	26	20.87	20.89	21.05			
10	QPSK	1	49	20.90	21.00	21.01			
10	QPSK	25	5	20.86	20.92	20.91	22.3	0	
10	QPSK	50	24	20.92	21.00	20.91			
10	QPSK	50	36	20.88	21.00	20.91			
10	QPSK	100	5	20.90	21.00	20.91	22.3	0	
10	QPSK	25	12	20.86	21.00	20.91			
10	QPSK	25	36	20.88	21.00	20.91			
10	QPSK	50	0	20.90	20.95	20.90	22.3	0	
10	QPSK	50	24	20.95	20.99	20.97			
10	QPSK	50	36	20.92	20.98	20.97			
10	16QAM	1	0	20.87	20.88	20.97	22.3	0	
10	16QAM	1	26	20.92	21.00	20.98			
10	16QAM	1	49	20.97	21.06	21.06			
10	16QAM	25	0	20.91	20.95	20.94	21.8	0.5	
10	16QAM	25	12	20.93	21.00	20.91			
10	16QAM	25	36	20.95	21.00	20.91			
10	16QAM	50	24	20.93	20.98	20.94	21.8	0.5	
10	16QAM	50	36	20.94	20.99	20.95			
10	16QAM	100	50	20.93	20.96	20.93			
10	16QAM	1	0	20.93	20.98	20.98	21.8	0.5	
10	16QAM	1	26	20.98	21.06	21.07			
10	16QAM	1	49	21.03	21.12	21.13			
10	16QAM	25	0	20.91	20.93	20.97	20.8	1.5	
10	16QAM	25	12	20.93	20.97	20.91			
10	16QAM	25	36	20.95	20.97	20.91			
10	16QAM	50	24	20.93	20.98	20.94	20.8	1.5	
10	16QAM	50	36	20.94	20.99	20.95			
10	16QAM	100	50	20.93	20.96	20.93			
10	16QAM	1	0	20.95	20.98	20.98	20.8	1.5	
10	16QAM	1	26	21.00	21.08	21.09			
10	16QAM	1	49	21.05	21.14	21.15			
Frequency (MHz)									
5	QPSK	1	0	20.68	20.67	20.61	22.3	0	
5	QPSK	1	8	20.75	20.77	20.75			
5	QPSK	1	24	20.80	20.88	20.94			
5	QPSK	12	0	20.74	20.87	20.84	22.3	0	
5	QPSK	12	6	20.78	21.00	21.02			
5	QPSK	12	13	20.86	21.00	21.07			
5	QPSK	25	0	20.75	20.79	20.74	22.3	0	
5	QPSK	25	6	20.79	20.90	20.88			
5	QPSK	25	12	20.81	20.97	20.88			
5	16QAM	1	0	20.64	20.64	20.64	21.8	0.5	
5	16QAM	1	8	20.71	20.74	20.74			
5	16QAM	1	24	20.76	20.84	20.84			
5	16QAM	12	0	20.72	20.84	20.82	21.8	0.5	
5	16QAM	12	6	20.76	20.94	20.92			
5	16QAM	12	13	20.84	20.94	20.92			
5	16QAM	25	0	20.68	20.74	20.74	20.8	1.5	
5	16QAM	25	6	20.70	20.84	20.84			
5	16QAM	25	13	20.77	20.87	20.86			
5	16QAM	50	0	20.71	20.77	20.80	20.8	1.5	
5	16QAM	50	6	20.74	20.84	20.82			
5	16QAM	50	13	20.84	20.94	20.92			
5	16QAM	12	7	20.78	20.90	20.90	20.8	1.5	
5	16QAM	12	13	20.86	20.96	20.94			
5	16QAM	12	19	20.90	20.96	20.94			



Band 41_Ant 31												
5W (dBm)	Modulation	RB Size	Sub-Carrier	Power Low (dBm)	Power Low Mid (dBm)	Power Low High (dBm)	Power High Mid (dBm)	Power High High (dBm)	Power High (dBm)	Time-up (min)	MFR (dB)	
Channel												
20	QPSK	1	48	20.95	20.95	20.95	20.95	20.95	20.95			
20	QPSK	1	0	20.70	20.61	20.58	20.54	21.60	21.60			
20	QPSK	1	48	20.87	20.66	20.63	20.59	21.65	21.65	22.3	0	
20	QPSK	1	96	20.75	20.80	20.84	21.12	21.80	21.80			
20	QPSK	1	144	20.87	20.80	20.84	21.12	21.80	21.80			
20	QPSK	50	24	20.86	20.86	21.00	21.11	21.67	21.67	22.3	0	
20	QPSK	50	24	20.81	20.76	21.09	21.07	21.67	21.67			
20	QPSK	50	24	20.73	20.52	21.09	21.07	21.67	21.67			
20	16QAM	1	0	20.68	20.60	20.58	21.01	21.11	21.11			
20	16QAM	1	48	20.86	20.86	21.12	21.10	21.80	21.80	22.3	0	
20	16QAM	50	24	20.85	20.86	21.09	21.09	21.67	21.67			
20	16QAM	50	0	20.68	20.60	21.00	21.11	21.11	21.11			
20	16QAM	50	0	20.74	20.74	20.99	21.10	21.52	21.52	21.8	0.5	
20	16QAM	50	24	20.76	20.75	20.98	21.08	21.67	21.67			
20	16QAM	500	0	20.69	20.81	20.88	21.04	21.67	21.67			
20	16QAM	500	0	20.87	20.84	20.88	21.04	21.67	21.67			
20	16QAM	1	48	20.54	20.58	20.76	20.83	20.87	20.87	21.8	0.5	
20	16QAM	1	96	20.42	20.46	20.68	20.76	20.79	20.79			
20	16QAM	1	144	20.07	20.20	20.31	20.37	20.44	20.44			
20	16QAM	50	24	19.22	19.20	19.31	19.37	19.44	19.44	20.8	1.5	
20	16QAM	50	24	19.22	19.20	19.31	19.37	19.44	19.44			
20	16QAM	500	0	19.13	19.18	19.40	19.51	19.51	19.51			
Channel												
16	QPSK	1	0	20.57	20.71	20.87	20.98	21.09	21.09			
16	QPSK	1	32	20.67	20.86	21.31	21.29	21.94	21.94	22.3	0	
16	QPSK	1	64	20.72	20.81	21.09	21.11	21.14	21.14			
16	QPSK	36	0	20.70	20.83	21.06	21.08	21.14	21.14	22.3	0	
16	QPSK	36	24	20.82	20.80	21.18	21.11	21.14	21.14			
16	QPSK	36	48	20.91	20.86	21.13	21.13	21.14	21.14			
16	QPSK	72	0	20.80	20.81	21.19	21.17	21.11	21.11	22.3	0	
16	QPSK	72	24	20.80	20.80	21.18	21.18	21.60	21.60			
16	16QAM	1	32	20.85	20.82	21.03	21.21	21.19	21.19	22.3	0	
16	16QAM	1	72	20.76	20.78	21.06	21.11	21.13	21.13			
16	16QAM	50	24	20.10	20.10	20.22	20.28	20.38	20.38	21.8	0.5	
16	16QAM	50	24	20.34	20.36	20.39	20.66	20.65	20.65			
16	16QAM	50	24	20.23	20.23	20.49	20.49	20.50	20.50			
16	16QAM	50	24	20.20	20.20	20.49	20.49	20.50	20.50			
16	16QAM	1	0	19.87	19.86	20.11	20.23	20.25	20.25	21.8	0.5	
16	16QAM	13	20.86	20.86	20.86	20.86	21.12	21.12	21.12			
16	16QAM	1	72	19.83	19.84	19.94	20.08	20.38	20.38			
16	16QAM	50	24	19.12	19.12	19.41	19.61	19.60	19.60	20.8	1.5	
16	16QAM	50	24	19.12	19.12	19.41	19.61	19.60	19.60			
16	16QAM	36	24	19.24	19.26	19.55	19.62	19.63	19.63			
16	16QAM	36	24	19.24	19.26	19.55	19.62	19.63	19.63			
16	16QAM	72	0	19.18	19.20	19.52	19.57	19.64	19.64			
16	16QAM	72	0	19.18	19.20	19.52	19.57	19.64	19.64			
Channel												
12	QPSK	1	0	20.62	20.68	20.82	21.06	21.14	21.14			
12	QPSK	1	24	20.83	20.80	21.02	21.13	21.18	21.18	22.3	0	
12	QPSK	1	48	20.69	20.87	21.05	21.08	21.14	21.14			
12	QPSK	1	96	20.68	20.81	21.04	21.11	21.14	21.14			
12	QPSK	24	12	20.86	20.80	21.25	21.13	21.20	21.20			
12	QPSK	1	0	20.85	20.82	21.20	21.11	21.18	21.18			
12	QPSK	1	48	20.83	20.81	21.13	21.13	21.14	21.14			
12	QPSK	1	96	20.68	20.77	20.89	21.06	21.17	21.17	22.3	0	
12	QPSK	1	144	20.86	20.80	21.05	21.15	21.18	21.18			
12	16QAM	1	48	20.75	20.86	21.07	21.16	21.19	21.19			
12	16QAM	25	0	20.15	20.28	20.67	20.58	20.70	20.70	21.8	0.5	
12	16QAM	25	0	20.22	20.31	20.67	20.58	20.62	20.62			
12	16QAM	25	24	20.38	20.36	20.50	20.67	20.50	20.50			
12	16QAM	50	0	20.25	20.20	20.62	20.62	20.67	20.67			
12	16QAM	50	0	20.86	20.86	20.86	20.86	20.86	20.86			
12	16QAM	1	24	20.01	20.12	20.12	20.31	20.35	20.42	21.8	0.5	
12	16QAM	1	48	20.01	20.12	20.12	20.31	20.35	20.42			
12	16QAM	1	96	20.01	20.18	20.52	20.53	20.60	20.60			
12	16QAM	25	12	20.20	20.28	20.54	20.65	20.65	20.65	20.8	1.5	
12	16QAM	25	12	20.20	20.28	20.54	20.65	20.65	20.65			
12	16QAM	50	0	19.28	19.18	19.46	19.53	19.63	19.63			
Channel												
8	QPSK	1	0	20.60	20.68	20.88	21.05	21.09	21.09			
8	QPSK	1	24	20.84	20.84	20.88	21.03	21.07	21.07	22.3	0	
8	QPSK	1	48	20.72	20.86	20.89	21.17	21.10	21.10			
8	QPSK	12	0	20.67	20.87	20.86	21.14	21.12	21.12			
8	QPSK	12	24	20.90	20.84	20.88	21.12	21.10	21.10			
8	QPSK	12	48	20.88	20.86	21.15	21.07	21.09	21.09	22.3	0	
8	QPSK	12	96	20.80	20.76	21.17	21.17	21.16	21.16			
8	QPSK	24	0	20.84	20.77	20.89	21.03	21.03	21.03			
8	16QAM	1	24	20.90	20.89	21.12	21.24	21.21	21.21	22.3	0	
8	16QAM	1	48	20.88	20.86	21.15	21.15	21.16	21.16			
8	16QAM	12	24	20.13	20.25	20.50	20.51	20.72	20.72			
8	16QAM	12	72	20.20	20.30	20.54	20.62	20.65	20.65	21.8	0.5	
8	16QAM	25	0	20.17	20.28	20.51	20.52	20.85	20.85			
8	16QAM	25	0	20.69	20.81	20.84	20.94	20.90	20.90			
8	16QAM	25	24	20.06	20.18	20.28	20.38	20.40	20.40	21.8	0.5	
8	16QAM	1	24	19.83	19.86	20.13	20.36	20.35	20.35			
8	16QAM	1	48	19.83	19.86	20.13	20.36	20.35	20.35			
8	16QAM	1	96	19.22	19.13	19.51	19.51	19.51	19.51	20.8	1.5	
8	16QAM	12	13	19.25	19.24	19.53	19.65	19.67	19.67			



Conducted Default Power for 5G NR SA

n2_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000	24.0	0.0	
Frequency (MHz)				1860	1880	1900			
20	PI/2 BPSK	1	1	23.21	23.33	23.08			
20	PI/2 BPSK	1	53	23.39	23.52	23.38	24.0	0.0	
20	PI/2 BPSK	1	104	23.38	23.08	23.37			
20	PI/2 BPSK	50	0	22.87	22.98	22.76			
20	PI/2 BPSK	50	28	23.45	23.49	23.35	24.0	0.0	
20	PI/2 BPSK	50	56	22.98	22.76	22.86	23.5	0.5	
20	PI/2 BPSK	100	0	22.95	22.97	22.86			
20	QPSK	1	1	23.15	23.37	23.07			
20	QPSK	1	53	23.47	23.42	23.31	24.0	0.0	
20	QPSK	1	104	23.28	23.07	23.28			
20	QPSK	50	0	22.40	22.48	22.26	23.0	1.0	
20	QPSK	50	28	23.48	23.40	23.36	24.0	0.0	
20	QPSK	50	56	22.42	22.27	22.31	23.0	1.0	
20	QPSK	100	0	22.40	22.41	22.37			
20	16QAM	1	1	21.82	22.06	21.75	23.0	1.0	
20	64QAM	1	1	20.40	20.61	20.36	21.5	2.5	
20	256QAM	1	1	18.98	19.13	18.91	19.5	4.5	
Channel				371500	376000	380500	1 MHz up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	PI/2 BPSK	1	1	23.25	23.47	23.18	24.0	0.0	
Channel				371000	376000	381000	1 MHz up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	PI/2 BPSK	1	1	23.12	23.24	23.11	24.0	0.0	
Channel				370500	376000	381500	1 MHz up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	PI/2 BPSK	1	1	23.34	23.44	23.42	24.0	0.0	

n2_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	PI/2 BPSK	1	1	21.94	22.09	21.86	23.6	0.0	
20	PI/2 BPSK	1	53	22.19	22.26	22.14			
20	PI/2 BPSK	1	104	22.07	21.89	22.06			
20	PI/2 BPSK	50	0	21.64	21.69	21.58	23.1	0.5	
20	PI/2 BPSK	50	28	22.18	22.25	22.06	23.6	0.0	
20	PI/2 BPSK	50	56	21.61	21.56	21.60	23.1	0.5	
20	PI/2 BPSK	100	0	21.65	21.67	21.66			
20	QPSK	1	1	21.87	22.08	21.75			
20	QPSK	1	53	22.21	22.14	21.99	23.6	0.0	
20	QPSK	1	104	22.01	21.80	21.98			
20	QPSK	50	0	21.12	21.16	21.05	22.6	1.0	
20	QPSK	50	28	22.19	22.13	22.04	23.6	0.0	
20	QPSK	50	56	21.15	20.96	21.08	22.6	1.0	
20	QPSK	100	0	21.15	21.10	21.09			
20	16QAM	1	1	20.62	20.85	20.47	22.6	1.0	
20	64QAM	1	1	19.10	19.32	19.01	21.1	2.5	
20	256QAM	1	1	17.65	17.89	17.56	19.1	4.5	
Channel				371500	376000	380500	1 MHz up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	PI/2 BPSK	1	1	22.19	22.14	22.08	23.6	0.0	
Channel				371000	376000	381000	1 MHz up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	PI/2 BPSK	1	1	22.09	21.95	22.15	23.6	0.0	
Channel				370500	376000	381500	1 MHz up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	PI/2 BPSK	1	1	22.10	22.15	22.19	23.6	0.0	



Conducted Default Power for 5G NR SA

n7_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	24.0	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	23.01	23.16	23.08			
20	PI/2 BPSK	1	53	23.26	23.37	23.29	24.0	0.0	
20	PI/2 BPSK	1	104	23.14	23.03	23.28			
20	PI/2 BPSK	50	0	22.61	22.73	22.77			
20	PI/2 BPSK	50	28	23.31	23.36	23.32	24.0	0.0	
20	PI/2 BPSK	50	56	22.82	22.67	22.74	23.5	0.5	
20	PI/2 BPSK	100	0	22.77	22.78	22.76			
20	QPSK	1	1	22.94	23.09	23.04	24.0	0.0	
20	QPSK	1	53	23.20	23.15	23.19			
20	QPSK	1	104	23.12	23.02	23.17			
20	QPSK	50	0	22.12	22.21	22.18	23.0	1.0	
20	QPSK	50	28	23.26	23.26	23.31	24.0	0.0	
20	QPSK	50	56	22.30	22.16	22.24	23.0	1.0	
20	QPSK	100	0	22.23	22.27	22.25			
20	16QAM	1	1	21.71	21.83	21.80	23.0	1.0	
20	64QAM	1	1	20.30	20.42	20.27	21.5	2.5	
20	256QAM	1	1	18.86	19.01	18.94	19.5	4.5	
Channel				501500	507000	512500	1 MPR-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24.0	0.0	
15	PI/2 BPSK	1	1	22.98	23.11	23.09			
Channel				501000	507000	513000	1 MPR-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	24.0	0.0	
10	PI/2 BPSK	1	1	22.85	22.92	23.07			
Channel				500500	507000	513500	1 MPR-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	24.0	0.0	
5	PI/2 BPSK	1	1	23.01	23.14	23.24			

n7_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	23.8	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	21.93	22.06	21.98	23.8	0.0	
20	PI/2 BPSK	1	53	22.18	22.26	22.25			
20	PI/2 BPSK	1	104	22.05	21.97	22.24			
20	PI/2 BPSK	50	0	21.58	21.64	21.68		0.5	
20	PI/2 BPSK	50	28	22.21	22.25	22.18	23.8	0.0	
20	PI/2 BPSK	50	56	21.74	21.65	21.74	23.3	0.5	
20	PI/2 BPSK	100	0	21.65	21.75	21.64			
20	QPSK	1	1	21.90	22.05	21.98	23.8	0.0	
20	QPSK	1	53	22.11	22.09	22.12			
20	QPSK	1	104	22.01	21.97	22.14			
20	QPSK	50	0	20.98	21.12	21.13		1.0	
20	QPSK	50	28	22.14	22.16	22.21	23.8	0.0	
20	QPSK	50	56	21.18	21.06	21.22	22.8	1.0	
20	QPSK	100	0	21.11	21.15	21.22			
20	16QAM	1	1	20.63	20.75	20.66	22.8	1.0	
20	64QAM	1	1	19.15	19.36	19.23	21.3	2.5	
20	256QAM	1	1	17.78	17.92	17.82	19.3	4.5	
Channel				501500	507000	512500	1 MPR-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	23.8	0.0	
15	PI/2 BPSK	1	1	22.08	22.06	22.00	23.8	0.0	
Channel				501000	507000	513000	1 MPR-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	23.8	0.0	
10	PI/2 BPSK	1	1	21.99	21.85	21.96	23.8	0.0	
Channel				500500	507000	513500	1 MPR-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	23.8	0.0	
5	PI/2 BPSK	1	1	22.07	22.05	22.07	23.8	0.0	



Conducted Default Power for 5G NR SA

n66_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000	24.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	22.91	22.93	22.87			
40	PI/2 BPSK	1	108	23.32	23.36	23.33	23.5	0.5	
40	PI/2 BPSK	1	214	22.87	22.92	23.04			
40	PI/2 BPSK	108	0	22.65	22.71	22.75			
40	PI/2 BPSK	108	54	23.30	23.33	23.28	23.5	0.5	
40	PI/2 BPSK	108	108	22.73	22.61	22.76			
40	PI/2 BPSK	216	0	22.75	22.77	22.69			
40	QPSK	1	1	22.85	22.87	22.86	24.0	0.0	
40	QPSK	1	108	23.27	23.28	23.29			
40	QPSK	1	214	22.85	22.87	23.04			
40	QPSK	108	0	22.27	22.31	22.40	23.0	1.0	
40	QPSK	108	54	23.27	23.27	23.34			
40	QPSK	108	108	22.40	22.27	22.41			
40	QPSK	216	0	22.32	22.27	22.36	23.0	1.0	
40	16QAM	1	1	21.61	21.74	21.72			
40	64QAM	1	1	20.26	20.32	20.28			
40	256QAM	1	1	18.88	18.87	18.83	19.5	4.5	
Channel				345000	349000	353000			
Frequency (MHz)				1725	1745	1765			
30	PI/2 BPSK	1	1	22.79	22.81	22.69	24.0	0.0	
Channel				344500	349000	353500			
Frequency (MHz)				1722.5	1745	1767.5			
25	PI/2 BPSK	1	1	22.71	22.79	22.64	24.0	0.0	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	22.87	22.88	22.88	24.0	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	PI/2 BPSK	1	1	22.85	22.94	22.94	24.0	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	PI/2 BPSK	1	1	22.89	22.92	22.86	24.0	0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	PI/2 BPSK	1	1	22.95	22.84	22.84	24.0	0.0	
Channel									
Frequency (MHz)									

n66_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	349000	353000	23.6	0.0	
Frequency (MHz)				1725	1745	1765			
40	PI/2 BPSK	1	1	21.74	21.72	21.72			
40	PI/2 BPSK	1	108	22.19	22.22	22.16	23.6	0.5	
40	PI/2 BPSK	1	214	21.80	21.71	21.83			
40	PI/2 BPSK	108	0	21.62	21.55	21.66			
40	PI/2 BPSK	108	54	22.14	22.15	22.11	23.1	0.5	
40	PI/2 BPSK	108	108	21.63	21.39	21.59			
40	PI/2 BPSK	216	0	21.55	21.58	21.55			
40	QPSK	1	1	21.75	21.74	21.67	23.6	0.0	
40	QPSK	1	108	22.13	22.13	22.08			
40	QPSK	1	214	21.77	21.73	21.78			
40	QPSK	108	0	21.21	21.16	21.26	22.6	1.0	
40	QPSK	108	54	22.10	22.10	22.15			
40	QPSK	108	108	21.25	21.05	21.21			
40	QPSK	216	0	21.27	21.04	21.24	22.6	1.0	
40	16QAM	1	1	20.55	20.62	20.56			
40	64QAM	1	1	19.16	19.22	19.13			
40	256QAM	1	1	17.78	17.79	17.66	19.1	4.5	
Channel				345000	349000	353000			
Frequency (MHz)				1725	1745	1765			
30	PI/2 BPSK	1	1	21.81	21.86	21.71	23.6	0.0	
Channel				344500	349000	353500			
Frequency (MHz)				1722.5	1745	1767.5			
25	PI/2 BPSK	1	1	21.61	21.65	21.59	23.6	0.0	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	21.71	21.67	21.73	23.6	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	PI/2 BPSK	1	1	21.73	21.70	21.63	23.6	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	PI/2 BPSK	1	1	21.72	21.66	21.62	23.6	0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	PI/2 BPSK	1	1	21.66	21.67	21.72	23.6	0.0	
Channel									
Frequency (MHz)									



Conducted Default Power for 5G NR SA

Par27Q n77_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668			
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		23.26				
100	PI/2 BPSK	1	137		23.79		25.0	0.0	
100	PI/2 BPSK	1	271		23.20				
100	PI/2 BPSK	135	0		23.11		24.5	0.5	
100	PI/2 BPSK	135	69		23.78		25.0	0.0	
100	PI/2 BPSK	135	138		23.02		24.5	0.5	
100	PI/2 BPSK	270	0		23.12				
100	QPSK	1	1		22.89				
100	QPSK	1	137		23.78		25.0	0.0	
100	QPSK	1	271		22.81				
100	QPSK	135	0		22.81				
100	QPSK	135	69		23.78		25.0	0.0	
100	QPSK	135	138		22.77				
100	QPSK	270	0		22.78		24.0	1.0	
100	16QAM	1	1		22.07		24.0	1.0	
100	64QAM	1	1		20.52		22.5	2.5	
100	256QAM	1	1		19.07		20.5	4.5	
Channel				633000	633332	633668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	PI/2 BPSK	1	1		23.09	23.16	23.09	25.0	
Channel				632668	633332	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3499.98	3510			
80	PI/2 BPSK	1	1		23.20	23.21	23.23	25.0	
Channel				648668	650000	663332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	PI/2 BPSK	1	1		23.32	23.36	23.36	25.0	
Channel				631668	633332	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	PI/2 BPSK	1	1		23.16	23.22	23.19	25.0	
Channel				631334	633332	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	PI/2 BPSK	1	1		23.29	23.32	23.26	25.0	
Channel				630668	633332	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540.00			
20	PI/2 BPSK	1	1		23.57	23.56	23.53	25.0	
Channel				630500	633332	636168	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3499.98	3542.49			
15	PI/2 BPSK	1	1		23.56	23.57	23.53	25.0	
Channel				630334	633332	636332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3499.98	3544.98			
10	PI/2 BPSK	1	1		23.56	23.66	23.59	25.0	

Par27O n77_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		22.97	22.85	22.62		
100	PI/2 BPSK	1	137		23.72	23.75	23.54	25.0	
100	PI/2 BPSK	1	271		23.04	22.84	22.64		
100	PI/2 BPSK	135	0		23.23	23.05	22.81	24.5	
100	PI/2 BPSK	135	69		23.78	23.91	23.48	25.0	
100	PI/2 BPSK	135	138		23.25	22.94	22.74	24.5	
100	PI/2 BPSK	270	0		22.94	23.08	22.74		
100	QPSK	1	1		23.02	22.84	22.61		
100	QPSK	1	137		23.71	23.72	23.45	25.0	
100	QPSK	1	271		23.01	22.81	22.60		
100	QPSK	135	0		22.71	22.70	22.64		
100	QPSK	135	69		23.68	23.71	23.47	25.0	
100	QPSK	135	138		22.74	22.76	22.62		
100	QPSK	270	0		22.71	22.48	22.22	24.0	
100	16QAM	1	1		21.70	21.61	21.64	24.0	
100	64QAM	1	1		20.68	20.53	20.22	22.5	
100	256QAM	1	1		19.17	19.00	18.70	20.5	
Channel				648668	650000	659332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1		22.16	21.97	21.71	25.0	
Channel				649334	650000	650668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1		22.31	22.09	21.81	25.0	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1		22.32	22.36	22.36	25.0	
Channel				648334	650000	651668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1		22.19	21.96	21.69	25.0	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1		22.29	22.32	22.26	25.0	
Channel				647334	650000	652668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750.00	3789.99			
20	PI/2 BPSK	1	1		23.51	23.52	23.52	25.0	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1		23.53	23.55	23.52	25.0	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1		23.54	23.54	23.55	25.0	



Conducted Default Power for 5G NR SA

Par27Q n77_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668	19.10	21.5	
Frequency (MHz)				3495	3499.98	3504.96			
100	PI/2 BPSK	1	1	19.04	19.08	19.03	21.5	0.0	
100	PI/2 BPSK	1	137	19.04	19.08	19.03	21.5	0.0	
100	PI/2 BPSK	1	271	19.04	19.08	19.03	21.5	0.0	
100	PI/2 BPSK	135	0	19.04	19.08	19.03	21.0	0.5	
100	PI/2 BPSK	135	69	19.04	19.08	19.03	21.5	0.0	
100	PI/2 BPSK	135	138	19.04	19.08	19.03	21.0	0.5	
100	PI/2 BPSK	270	0	19.04	19.08	19.03	21.0	0.5	
100	QPSK	1	1	19.07	19.07	19.07	21.5	0.0	
100	QPSK	1	137	19.07	19.07	19.07	21.5	0.0	
100	QPSK	1	271	19.07	19.07	19.07	21.5	0.0	
100	QPSK	135	0	19.07	19.07	19.07	21.5	0.0	
100	QPSK	135	69	19.07	19.07	19.07	21.5	0.0	
100	QPSK	135	138	19.07	19.07	19.07	21.5	0.0	
100	QPSK	270	0	19.07	19.07	19.07	20.5	1.0	
100	16QAM	1	1	19.23	19.23	19.23	20.5	1.0	
100	64QAM	1	1	17.15	17.15	17.15	19.0	2.5	
100	256QAM	1	1	15.21	15.21	15.21	17.0	4.5	
Channel				633000	633332	633666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.96	1 limit (dBm)	MPR (dB)	
90	PI/2 BPSK	1	1	19.04	19.08	19.03	21.5	0.0	
Channel				632068	633332	634000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3499.98	3510	1 limit (dBm)	MPR (dB)	
80	PI/2 BPSK	1	1	19.03	19.04	19.08	21.5	0.0	
Channel				648668	656000	663332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98	1 limit (dBm)	MPR (dB)	
60	PI/2 BPSK	1	1	19.04	19.06	19.09	21.5	0.0	
Channel				631668	633332	635000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525	1 limit (dBm)	MPR (dB)	
50	PI/2 BPSK	1	1	19.02	19.03	19.08	21.5	0.0	
Channel				631334	633332	635332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98	1 limit (dBm)	MPR (dB)	
40	PI/2 BPSK	1	1	19.06	19.06	19.07	21.5	0.0	
Channel				630668	633332	636000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540.00	1 limit (dBm)	MPR (dB)	
20	PI/2 BPSK	1	1	19.69	19.71	19.75	21.5	0.0	
Channel				630500	633332	636166	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3499.98	3542.49	1 limit (dBm)	MPR (dB)	
15	PI/2 BPSK	1	1	19.72	19.67	19.71	21.5	0.0	
Channel				630334	633332	636332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3499.98	3544.98	1 limit (dBm)	MPR (dB)	
10	PI/2 BPSK	1	1	19.74	19.69	19.74	21.5	0.0	

Par27O n77_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	3750	21.5	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	19.37	19.37	19.37	21.5	0.0	
100	PI/2 BPSK	1	137	20.39	20.39	20.39	21.5	0.0	
100	PI/2 BPSK	1	271	19.66	19.66	19.66	21.5	0.0	
100	PI/2 BPSK	135	0	19.61	19.61	19.61	21.0	0.5	
100	PI/2 BPSK	135	69	20.25	20.25	20.25	21.5	0.0	
100	PI/2 BPSK	135	138	19.61	19.61	19.61	21.0	0.5	
100	PI/2 BPSK	270	0	19.61	19.61	19.61	21.0	0.5	
100	QPSK	1	1	19.45	19.45	19.45	21.5	0.0	
100	QPSK	1	137	20.33	20.33	20.33	21.5	0.0	
100	QPSK	1	271	19.84	19.84	19.84	21.5	0.0	
100	QPSK	135	0	19.10	19.10	19.10	21.5	0.0	
100	QPSK	135	69	20.34	20.34	20.34	21.5	0.0	
100	QPSK	135	138	19.16	19.16	19.16	21.5	0.0	
100	QPSK	270	0	19.09	19.09	19.09	20.5	1.0	
100	16QAM	1	1	18.16	18.16	18.16	20.5	1.0	
100	64QAM	1	1	17.13	17.13	17.13	19.0	2.5	
100	256QAM	1	1	15.65	15.65	15.65	17.0	4.5	
Channel				649668	656000	662000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	1 limit (dBm)	MPR (dB)	
90	PI/2 BPSK	1	1	19.30	19.30	19.31	21.5	0.0	
Channel				649334	650000	650666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	1 limit (dBm)	MPR (dB)	
80	PI/2 BPSK	1	1	19.36	19.32	19.30	21.5	0.0	
Channel				648668	650000	651332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	1 limit (dBm)	MPR (dB)	
60	PI/2 BPSK	1	1	19.33	19.34	19.33	21.5	0.0	
Channel				648334	650000	651666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	1 limit (dBm)	MPR (dB)	
50	PI/2 BPSK	1	1	19.31	19.31	19.34	21.5	0.0	
Channel				648000	650000	652000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	1 limit (dBm)	MPR (dB)	
40	PI/2 BPSK	1	1	19.31	19.36	19.28	21.5	0.0	
Channel				647334	650000	652666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750.00	3789.99	1 limit (dBm)	MPR (dB)	
20	PI/2 BPSK	1	1	20.32	20.32	20.33	21.5	0.0	
Channel				647168	650000	652832	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	1 limit (dBm)	MPR (dB)	
15	PI/2 BPSK	1	1	20.31	20.36	20.35	21.5	0.0	
Channel				647000	650000	653000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	1 limit (dBm)	MPR (dB)	
10	PI/2 BPSK	1	1	20.30	20.36	20.34	21.5	0.0	



Conducted Default Power for 5G NR SA

Par27Q n77_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	3500.01				
Frequency (MHz)				19.94					
100	PI/2 BPSK	1	1		19.94		22.5	0.0	
100	PI/2 BPSK	1	137		20.94				
100	PI/2 BPSK	1	271		19.96				
100	PI/2 BPSK	135	0		20.12		22.0	0.5	
100	PI/2 BPSK	135	69		20.90		22.5	0.0	
100	PI/2 BPSK	135	138		20.15		22.0	0.5	
100	PI/2 BPSK	270	0		20.13				
100	QPSK	1	1		19.85		22.5	0.0	
100	QPSK	1	137		20.85				
100	QPSK	1	271		19.88				
100	QPSK	135	0		19.55		22.5	0.0	
100	QPSK	135	69		20.82				
100	QPSK	135	138		19.54				
100	QPSK	270	0		19.43		21.5	1.0	
100	16QAM	1	1		18.61		21.5	1.0	
100	64QAM	1	1		17.02		20.0	2.5	
100	256QAM	1	1		15.58		18.0	4.5	
Channel				633000	633332	633668	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	PI/2 BPSK	1	1		19.75	19.82	19.80	22.5	
Channel				632668	633332	634000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3489.98	3510			
80	PI/2 BPSK	1	1		19.67	19.85	19.78	22.5	
Channel				648668	650000	663332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	PI/2 BPSK	1	1		19.69	19.83	19.81	22.5	
Channel				631668	633332	635000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	PI/2 BPSK	1	1		19.73	19.80	19.74	22.5	
Channel				631334	633332	635332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	PI/2 BPSK	1	1		19.64	19.85	19.83	22.5	
Channel				630668	633332	636000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540.00			
20	PI/2 BPSK	1	1		19.73	19.82	19.72	22.5	
Channel				630500	633332	636166	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3499.98	3542.49			
15	PI/2 BPSK	1	1		19.70	19.83	19.79	22.5	
Channel				630334	633332	636332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3499.98	3544.98			
10	PI/2 BPSK	1	1		19.64	19.84	19.74	22.5	

Par27O n77_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1		19.73	19.85	19.73		
100	PI/2 BPSK	1	137		20.83	20.89	20.84	22.5	
100	PI/2 BPSK	1	271		19.87	19.88	19.78		
100	PI/2 BPSK	135	0		20.11	20.14	20.13	22.0	
100	PI/2 BPSK	135	69		20.78	20.88	20.83	22.5	
100	PI/2 BPSK	135	138		19.93	20.02	20.00	22.0	
100	PI/2 BPSK	270	0		20.03	20.08	20.06	22.0	
100	QPSK	1	1		19.81	19.84	19.74		
100	QPSK	1	137		20.11	20.22	20.17	22.5	
100	QPSK	1	271		19.88	19.76	19.65		
100	QPSK	135	0		19.46	19.51	19.43		
100	QPSK	135	69		20.81	20.72	20.70	22.5	
100	QPSK	135	138		19.31	19.41	19.34		
100	QPSK	270	0		19.21	19.32	19.24	21.5	
100	16QAM	1	1		18.41	18.53	18.42	21.5	
100	64QAM	1	1		17.05	17.08	17.02	20.0	
100	256QAM	1	1		15.49	15.61	15.51	18.0	
Channel				649668	650000	650332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1		19.79	19.82	19.83	22.5	
Channel				649334	650000	650666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1		19.82	19.88	19.75	22.5	
Channel				648668	650000	651332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1		19.77	19.81	19.72	22.5	
Channel				648334	650000	651666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1		19.78	19.84	19.75	22.5	
Channel				648000	650000	652000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1		19.76	19.77	19.79	22.5	
Channel				647334	650000	652666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750.00	3789.99			
20	PI/2 BPSK	1	1		19.76	19.83	19.76	22.5	
Channel				647168	650000	652832	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1		19.81	19.83	19.78	22.5	
Channel				647000	650000	653000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1		19.80	19.80	19.78	22.5	



Conducted Default Power for 5G NR SA

Par27Q n77_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	3500.01				
Frequency (MHz)					20.26				
100	PI/2 BPSK	1	1		21.43		22.5	0.0	
100	PI/2 BPSK	1	137		20.48				
100	PI/2 BPSK	1	271		20.57		22.0	0.5	
100	PI/2 BPSK	135	0		21.42		22.5	0.0	
100	PI/2 BPSK	135	69		20.67		22.0	0.5	
100	PI/2 BPSK	135	138		20.63				
100	PI/2 BPSK	270	0		20.27		22.5	0.0	
100	QPSK	1	1		21.32				
100	QPSK	1	137		20.38		22.5	0.0	
100	QPSK	1	271		20.27				
100	QPSK	135	0		21.29		22.5	0.0	
100	QPSK	135	69		20.26				
100	QPSK	135	138		20.04		21.5	1.0	
100	QPSK	270	0		19.40		21.5	1.0	
100	16QAM	1	1		17.89		20.0	2.5	
100	64QAM	1	1		16.40		18.0	4.5	
100	256QAM	1	1		633000	633332	633666	1 limit (dBm)	MPR (dB)
Channel				3495	3499.98	3504.99			
Frequency (MHz)					20.34	20.35	20.26	22.5	
90	PI/2 BPSK	1	1		632668	633332	634000	1 limit (dBm)	MPR (dB)
Channel				3480.02	3499.98	3510			
Frequency (MHz)					20.39	20.43	20.17	22.5	
80	PI/2 BPSK	1	1		648668	650000	663332	1 limit (dBm)	MPR (dB)
Channel				3730.02	3840	3949.98			
Frequency (MHz)					20.40	20.35	20.26	22.5	
60	PI/2 BPSK	1	1		631668	633332	635000	1 limit (dBm)	MPR (dB)
Channel				3475.02	3499.98	3525			
Frequency (MHz)					20.34	20.40	20.23	22.5	
50	PI/2 BPSK	1	1		631334	633332	635332	1 limit (dBm)	MPR (dB)
Channel				3470.01	3499.98	3529.98			
Frequency (MHz)					20.32	20.40	20.15	22.5	
40	PI/2 BPSK	1	1		630668	633332	636000	1 limit (dBm)	MPR (dB)
Channel				3460.02	3499.98	3540.00			
Frequency (MHz)					20.34	20.40	20.22	22.5	
20	PI/2 BPSK	1	1		630500	633332	636166	1 limit (dBm)	MPR (dB)
Channel				3457.5	3499.98	3542.49			
Frequency (MHz)					20.39	20.42	20.18	22.5	
15	PI/2 BPSK	1	1		630334	633332	636332	1 limit (dBm)	MPR (dB)
Channel				3455.01	3499.98	3544.98			
Frequency (MHz)					20.42	20.32	20.26	22.5	
10	PI/2 BPSK	1	1						

Par27O n77_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)					3750	3840	3930		
100	PI/2 BPSK	1	1		20.01	20.15	20.08		
100	PI/2 BPSK	1	137		21.18	21.19	21.02	22.5	
100	PI/2 BPSK	1	271		20.16	20.05	20.11		
100	PI/2 BPSK	135	0		20.31	20.42	20.42	22.0	
100	PI/2 BPSK	135	69		21.09	21.18	21.16	22.5	
100	PI/2 BPSK	135	138		20.42	20.21	20.35	22.0	
100	PI/2 BPSK	270	0		20.35	20.40	20.29		
100	QPSK	1	1		20.02	20.13	20.07		
100	QPSK	1	137		21.04	20.91	20.94	22.5	
100	QPSK	1	271		20.13	20.02	20.08		
100	QPSK	135	0		19.76	19.78	19.80		
100	QPSK	135	69		21.13	20.97	21.03	22.5	
100	QPSK	135	138		19.84	19.88	19.71		
100	QPSK	270	0		19.79	19.77	19.70	21.5	
100	16QAM	1	1		18.71	18.83	18.78	21.5	
100	64QAM	1	1		17.65	17.71	17.63	20.0	
100	256QAM	1	1		16.17	16.28	16.23	18.0	
Channel				649668	650000	650332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)					3745.02	3750	3754.98		
90	PI/2 BPSK	1	1		649334	650000	650666	1 limit (dBm)	MPR (dB)
Channel				3740.01	3750	3759.99			
Frequency (MHz)					20.09	20.14	19.95	22.5	
80	PI/2 BPSK	1	1		648668	650000	651332	1 limit (dBm)	MPR (dB)
Channel				3730.02	3750	3769.98			
Frequency (MHz)					20.07	20.18	19.98	22.5	
60	PI/2 BPSK	1	1		648334	650000	651666	1 limit (dBm)	MPR (dB)
Channel				3725.01	3750	3774.99			
Frequency (MHz)					20.11	20.14	20.00	22.5	
50	PI/2 BPSK	1	1		648000	650000	652000	1 limit (dBm)	MPR (dB)
Channel				3720	3750	3780			
Frequency (MHz)					20.10	20.10	19.94	22.5	
40	PI/2 BPSK	1	1		647334	650000	652666	1 limit (dBm)	MPR (dB)
Channel				3710.01	3750.00	3789.99			
Frequency (MHz)					20.10	20.11	19.91	22.5	
20	PI/2 BPSK	1	1		647168	650000	652832	1 limit (dBm)	MPR (dB)
Channel				3707.52	3750	3792.48			
Frequency (MHz)					20.16	20.13	19.92	22.5	
15	PI/2 BPSK	1	1		647000	650000	653000	1 limit (dBm)	MPR (dB)
Channel				3705	3750	3795			
Frequency (MHz)					20.08	20.14	19.91	22.5	
10	PI/2 BPSK	1	1						



Conducted Default Power for 5G NR SA

Par27Q n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	3500.01				
Frequency (MHz)					23.06				
100	PI/2 BPSK	1	1		23.06				
100	PI/2 BPSK	1	137		23.74		24.8	0.0	
100	PI/2 BPSK	1	271		23.16				
100	PI/2 BPSK	135	0		23.29		24.3	0.5	
100	PI/2 BPSK	135	69		23.70		24.8	0.0	
100	PI/2 BPSK	135	138		23.33		24.3	0.5	
100	PI/2 BPSK	270	0		23.00				
100	QPSK	1	1		23.01				
100	QPSK	1	137		23.70		24.8	0.0	
100	QPSK	1	271		23.10				
100	QPSK	135	0		22.89				
100	QPSK	135	69		23.69		24.8	0.0	
100	QPSK	135	138		22.82				
100	QPSK	270	0		22.76		23.8	1.0	
100	16QAM	1	1		21.95		23.8	1.0	
100	64QAM	1	1		20.72		22.3	2.5	
100	256QAM	1	1		19.19		20.3	4.5	
Channel				633000	633334	633668	1 up-1p limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1		23.13	23.01	23.12	24.8	
Channel				632668	633334	634000	1 up-1p limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	PI/2 BPSK	1	1		23.12	23.09	23.10	24.8	
Channel				632000	633334	634668	1 up-1p limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1		23.04	23.02	23.02	24.8	
Channel				631668	633334	635000	1 up-1p limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1		23.07	23.08	23.10	24.8	
Channel				631334	633334	635332	1 up-1p limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1		23.04	23.02	23.06	24.8	
Channel				631000	633334	635668	1 up-1p limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1		23.15	23.09	23.01	24.8	
Channel				630668	633334	636000	1 up-1p limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1		23.53	23.46	23.46	24.8	
Channel				630500	636666	642832	1 up-1p limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48			
15	PI/2 BPSK	1	1		23.53	23.48	23.48	24.8	
Channel				630334	636666	643000	1 up-1p limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645			
10	PI/2 BPSK	1	1		23.48	23.46	23.47	24.8	

Part27O n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		23.00				
100	PI/2 BPSK	1	137		23.71		24.8	0.0	
100	PI/2 BPSK	1	271		22.92				
100	PI/2 BPSK	135	0		23.12		24.3	0.5	
100	PI/2 BPSK	135	69		23.67		24.8	0.0	
100	PI/2 BPSK	135	138		23.09		24.3	0.5	
100	PI/2 BPSK	270	0		22.95				
100	QPSK	1	1		23.00				
100	QPSK	1	137		23.59		24.8	0.0	
100	QPSK	1	271		22.90				
100	QPSK	135	0		22.59				
100	QPSK	135	69		23.82		24.8	0.0	
100	QPSK	135	138		22.59				
100	QPSK	270	0		22.57		23.8	1.0	
100	16QAM	1	1		21.73		23.8	1.0	
100	64QAM	1	1		20.64		22.3	2.5	
100	256QAM	1	1		19.19		20.3	4.5	
Channel				649668	650000	650332	1 up-1p limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1		23.15	23.11	23.03	24.8	
Channel				649334	650000	650668	1 up-1p limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1		23.06	23.02	23.05	24.8	
Channel				648668	650000	651332	1 up-1p limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1		23.13	23.02	23.05	24.8	
Channel				648334	650000	651668	1 up-1p limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1		23.11	23.11	23.11	24.8	
Channel				648000	650000	652000	1 up-1p limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1		23.07	23.02	23.03	24.8	
Channel				647668	650000	652332	1 up-1p limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98			
30	PI/2 BPSK	1	1		23.05	23.04	23.05	24.8	
Channel				647334	650000	652668	1 up-1p limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	PI/2 BPSK	1	1		23.51	23.51	23.51	24.8	
Channel				647168	650000	652832	1 up-1p limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1		23.51	23.51	23.51	24.8	
Channel				647000	650000	653000	1 up-1p limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1		23.51	23.51	23.51	24.8	



Conducted Default Power for 5G NR SA

Par27Q n78_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	3500.01				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		18.95				
100	PI/2 BPSK	1	137		19.73		21.5	0.0	
100	PI/2 BPSK	1	271		18.65				
100	PI/2 BPSK	135	0		18.97		21.0	0.5	
100	PI/2 BPSK	135	69		19.63		21.5	0.0	
100	PI/2 BPSK	135	138		18.89		21.0	0.5	
100	PI/2 BPSK	270	0		19.71				
100	QPSK	1	1		18.92				
100	QPSK	1	137		19.63		21.5	0.0	
100	QPSK	1	271		18.61				
100	QPSK	135	0		18.41				
100	QPSK	135	69		19.52		21.5	0.0	
100	QPSK	135	138		18.33				
100	QPSK	270	0		18.29		20.5	1.0	
100	16QAM	1	1		18.46		20.5	1.0	
100	64QAM	1	1		17.24		19.0	2.5	
100	256QAM	1	1		15.27		17.0	4.5	
Channel				633000	633334	633666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1		18.92	18.89	18.91	21.5	
Channel				632668	633334	634000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	PI/2 BPSK	1	1		18.87	18.88	18.94	21.5	
Channel				632000	633334	634666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1		18.93	18.89	18.90	21.5	
Channel				631668	633334	635000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1		18.93	18.93	18.93	21.5	
Channel				631334	633334	635332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1		18.92	18.88	18.94	21.5	
Channel				631000	633334	635666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1		18.87	18.92	18.91	21.5	
Channel				630668	633334	636000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1		19.67	19.66	19.65	21.5	
Channel				630500	636666	642832	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48			
15	PI/2 BPSK	1	1		19.65	19.70	19.65	21.5	
Channel				630334	636666	643000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645			
10	PI/2 BPSK	1	1		19.71	19.69	19.72	21.5	

Par27O n78_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		19.22				
100	PI/2 BPSK	1	137		20.20		21.5	0.0	
100	PI/2 BPSK	1	271		19.32				
100	PI/2 BPSK	135	0		19.46		21.0	0.5	
100	PI/2 BPSK	135	69		20.18		21.5	0.0	
100	PI/2 BPSK	135	138		19.42		21.0	0.5	
100	PI/2 BPSK	270	0		19.42				
100	QPSK	1	1		19.22				
100	QPSK	1	137		20.16		21.5	0.0	
100	QPSK	1	271		19.28				
100	QPSK	135	0		18.88				
100	QPSK	135	69		20.09		21.5	0.0	
100	QPSK	135	138		18.83				
100	QPSK	270	0		18.81		20.5	1.0	
100	16QAM	1	1		18.80		20.5	1.0	
100	64QAM	1	1		18.81		19.0	2.5	
100	256QAM	1	1		15.33		17.0	4.5	
Channel				649668	650000	650332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1		19.20	19.17	19.15	21.5	
Channel				649334	650000	650666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1		19.13	19.16	19.21	21.5	
Channel				648668	650000	651332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1		19.15	19.17	19.13	21.5	
Channel				648334	650000	651666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1		19.13	19.19	19.14	21.5	
Channel				648000	650000	652000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1		19.15	19.19	19.21	21.5	
Channel				647668	650000	652332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98			
30	PI/2 BPSK	1	1		19.21	19.14	19.13	21.5	
Channel				647334	650000	652666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	PI/2 BPSK	1	1		20.16	20.17	20.17	21.5	
Channel				647168	650000	652832	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1		20.12	20.13	20.17	21.5	
Channel				647000	650000	653000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1		20.19	20.12	20.12	21.5	



Conducted Default Power for 5G NR SA

Par27Q n78_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668	19.52		
Frequency (MHz)				3495	3500.01	3504.99			
100	PI/2 BPSK	1	1	19.96	19.95	19.93	22.5	0.0	
100	PI/2 BPSK	1	137	19.96	19.95	19.93			
100	PI/2 BPSK	1	271	19.96	19.95	19.93	22.0	0.5	
100	PI/2 BPSK	135	0	19.96	19.95	19.93			
100	PI/2 BPSK	135	69	19.96	19.95	19.93	22.5	0.0	
100	PI/2 BPSK	135	138	19.96	19.95	19.93			
100	PI/2 BPSK	270	0	19.96	19.95	19.93	22.0	0.5	
100	PI/2 BPSK	270	138	19.96	19.95	19.93			
100	QPSK	1	1	19.96	19.95	19.93	22.5	0.0	
100	QPSK	1	137	19.96	19.95	19.93			
100	QPSK	1	271	19.96	19.95	19.93	22.5	0.0	
100	QPSK	135	0	19.96	19.95	19.93			
100	QPSK	135	69	19.96	19.95	19.93	22.5	0.0	
100	QPSK	135	138	19.96	19.95	19.93			
100	QPSK	270	0	19.96	19.95	19.93	21.5	1.0	
100	QPSK	270	138	19.96	19.95	19.93			
100	16QAM	1	1	18.17	18.17	18.17	21.5	1.0	
100	16QAM	1	1	18.17	18.17	18.17			
100	64QAM	1	1	17.64	17.64	17.64	20.0	2.5	
100	64QAM	1	1	17.64	17.64	17.64			
100	256QAM	1	1	15.82	15.82	15.82	18.0	4.5	
100	256QAM	1	1	15.82	15.82	15.82			
Channel				633000	633334	633668	19.52		
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1	19.96	19.95	19.93	22.5	0.0	
90	PI/2 BPSK	1	1	19.96	19.95	19.93			
Channel				632000	633334	634000	19.52		
Frequency (MHz)				3480.02	3500.01	3510			
80	PI/2 BPSK	1	1	19.94	19.92	19.88	22.5	0.0	
80	PI/2 BPSK	1	1	19.94	19.92	19.88			
Channel				632000	633334	634000	19.52		
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1	19.93	19.86	19.94	22.5	0.0	
60	PI/2 BPSK	1	1	19.93	19.86	19.94			
Channel				631668	633334	635000	19.52		
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1	20.00	19.86	19.88	22.5	0.0	
50	PI/2 BPSK	1	1	20.00	19.86	19.88			
Channel				631334	633334	635332	19.52		
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1	19.90	19.95	19.96	22.5	0.0	
40	PI/2 BPSK	1	1	19.90	19.95	19.96			
Channel				631000	633334	635668	19.52		
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1	19.99	19.92	19.91	22.5	0.0	
30	PI/2 BPSK	1	1	19.99	19.92	19.91			
Channel				630668	633334	636000	19.52		
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1	19.97	19.92	19.95	22.5	0.0	
20	PI/2 BPSK	1	1	19.97	19.92	19.95			
Channel				630500	636666	642832	19.52		
Frequency (MHz)				3457.5	3549.99	3642.48			
15	PI/2 BPSK	1	1	19.92	19.90	19.88	22.5	0.0	
15	PI/2 BPSK	1	1	19.92	19.90	19.88			
Channel				630334	636666	643000	19.52		
Frequency (MHz)				3455.01	3549.99	3645			
10	PI/2 BPSK	1	1	20.00	19.89	19.90	22.5	0.0	
10	PI/2 BPSK	1	1	20.00	19.89	19.90			

Part27O n78_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	19.76			22.5	0.0	
100	PI/2 BPSK	1	137	20.85					
100	PI/2 BPSK	1	271	19.54					
100	PI/2 BPSK	135	0	19.85			22.0	0.5	
100	PI/2 BPSK	135	69	20.81					
100	PI/2 BPSK	135	138	19.82					
100	PI/2 BPSK	270	0	20.05			22.5	0.0	
100	QPSK	1	1	19.68					
100	QPSK	1	137	20.62					
100	QPSK	1	271	19.49			22.5	0.0	
100	QPSK	135	0	19.24					
100	QPSK	135	69	20.46					
100	QPSK	135	138	19.18			22.5	0.0	
100	QPSK	270	0	19.12					
100	16QAM	1	1	18.39					
100	64QAM	1	1	17.45			21.5	1.0	
100	256QAM	1	1	15.84					
Channel				649668	650000	650332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1	19.92	19.93	19.93	22.5	0.0	
Channel				649334	650000	650666			
Frequency (MHz)				3740.01	3750	3759.99	tune-up limit (dBm)	MPR (dB)	
80	PI/2 BPSK	1	1	20.01	19.89	19.94	22.5	0.0	
Channel				648668	650000	651332			
Frequency (MHz)				3730.02	3750	3769.98	tune-up limit (dBm)	MPR (dB)	
60	PI/2 BPSK	1	1	20.00	20.00	20.01	22.5	0.0	
Channel				648334	650000	651666			
Frequency (MHz)				3725.01	3750	3774.99	tune-up limit (dBm)	MPR (dB)	
50	PI/2 BPSK	1	1	20.03	19.99	19.99	22.5	0.0	
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780	tune-up limit (dBm)	MPR (dB)	
40	PI/2 BPSK	1	1	19.99	20.03	20.01	22.5	0.0	
Channel				647668	650000	652332			
Frequency (MHz)				3715.02	3750.00	3784.98	tune-up limit (dBm)	MPR (dB)	
30	PI/2 BPSK	1	1	20.02	20.01	20.01	22.5	0.0	
Channel				647334	650000	652666			
Frequency (MHz)				3710.01	3750	3789.99	tune-up limit (dBm)	MPR (dB)	
20	PI/2 BPSK	1	1	20.80	20.78	20.82	22.5	0.0	
Channel				647168	650000	652832			
Frequency (MHz)				3707.52	3750	3792.48	tune-up limit (dBm)	MPR (dB)	
15	PI/2 BPSK	1	1	19.96	19.86	19.93	22.5	0.0	
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795	tune-up limit (dBm)	MPR (dB)	
10	PI/2 BPSK	1	1	20.00	19.88	19.92	22.5	0.0	



Conducted Default Power for 5G NR SA

Par27Q n78_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		20.09				
100	PI/2 BPSK	1	137		21.41		22.8	0.0	
100	PI/2 BPSK	1	271		20.51				
100	PI/2 BPSK	135	0		20.49		22.3	0.5	
100	PI/2 BPSK	135	69		21.39		22.8	0.0	
100	PI/2 BPSK	135	138		20.63		22.3	0.5	
100	PI/2 BPSK	270	0		20.53				
100	QPSK	1	1		20.06				
100	QPSK	1	137		21.22		22.8	0.0	
100	QPSK	1	271		20.43				
100	QPSK	135	0		19.89				
100	QPSK	135	69		21.25		22.8	0.0	
100	QPSK	135	138		20.11				
100	QPSK	270	0		20.19		21.8	1.0	
100	16QAM	1	1		19.03		21.8	1.0	
100	64QAM	1	1		17.57		20.3	2.5	
100	256QAM	1	1		16.45		18.3	4.5	
Channel				633000	633334	633666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	22.8		
90	PI/2 BPSK	1	1	20.57	20.57	20.51	22.8	0.0	
Channel				632668	633334	634000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510	22.8		
80	PI/2 BPSK	1	1	20.71	20.72	20.75	22.8	0.0	
Channel				632000	633334	634666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	22.8		
60	PI/2 BPSK	1	1	20.83	20.83	20.91	22.8	0.0	
Channel				631668	633334	635000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	22.8		
50	PI/2 BPSK	1	1	21.02	21.03	21.04	22.8	0.0	
Channel				631334	633334	635332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	22.8		
40	PI/2 BPSK	1	1	20.79	20.81	20.88	22.8	0.0	
Channel				631000	633334	635666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99	22.8		
30	PI/2 BPSK	1	1	20.50	20.54	20.59	22.8	0.0	
Channel				630668	633334	636000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	22.8		
20	PI/2 BPSK	1	1	20.46	20.59	20.60	22.8	0.0	
Channel				630500	636666	642832	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48	22.8		
15	PI/2 BPSK	1	1	20.52	20.59	20.54	22.8	0.0	
Channel				630334	636666	643000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645	22.8		
10	PI/2 BPSK	1	1	20.96	21.10	21.02	22.8	0.0	

Part27O n78_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		20.08				
100	PI/2 BPSK	1	137		21.05		22.8	0.0	
100	PI/2 BPSK	1	271		20.21				
100	PI/2 BPSK	135	0		20.31		22.3	0.5	
100	PI/2 BPSK	135	69		21.05		22.8	0.0	
100	PI/2 BPSK	135	138		20.38		22.3	0.5	
100	PI/2 BPSK	270	0		20.31				
100	QPSK	1	1		20.06				
100	QPSK	1	137		20.92		22.8	0.0	
100	QPSK	1	271		20.17				
100	QPSK	135	0		19.73				
100	QPSK	135	69		21.01		22.8	0.0	
100	QPSK	135	138		19.77				
100	QPSK	270	0		19.79		21.8	1.0	
100	16QAM	1	1		18.82		21.8	1.0	
100	64QAM	1	1		17.68		20.3	2.5	
100	256QAM	1	1		16.24		18.3	4.5	
Channel				649668	650000	650332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	22.8		
90	PI/2 BPSK	1	1	20.26	20.18	20.16	22.8	0.0	
Channel				649334	650000	650666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	22.8		
80	PI/2 BPSK	1	1	20.38	20.29	20.23	22.8	0.0	
Channel				648668	650000	651332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	22.8		
60	PI/2 BPSK	1	1	20.52	20.60	20.59	22.8	0.0	
Channel				648334	650000	651666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	22.8		
50	PI/2 BPSK	1	1	20.54	20.51	20.60	22.8	0.0	
Channel				648000	650000	652000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	22.8		
40	PI/2 BPSK	1	1	20.56	20.35	20.34	22.8	0.0	
Channel				647668	650000	652332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98	22.8		
30	PI/2 BPSK	1	1	20.47	20.50	20.51	22.8	0.0	
Channel				647334	650000	652666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	22.8		
20	PI/2 BPSK	1	1	20.55	20.57	20.60	22.8	0.0	
Channel				647168	650000	652832	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	22.8		
15	PI/2 BPSK	1	1	20.57	20.56	20.52	22.8	0.0	
Channel				647000	650000	653000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	22.8		
10	PI/2 BPSK	1	1	20.54	20.49	20.53	22.8	0.0	



Reduced Power for DSI 2

n2_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000	17.5	0.0	
Frequency (MHz)				1860	1880	1900			
20	PI/2 BPSK	1	1	16.51	16.54	16.42			
20	PI/2 BPSK	1	53	16.71	16.74	16.61	17.5	0.0	
20	PI/2 BPSK	1	104	16.22	16.30	16.28			
20	PI/2 BPSK	50	0	16.55	16.63	16.51			
20	PI/2 BPSK	50	28	16.59	16.70	16.64	17.5	0.0	
20	PI/2 BPSK	50	56	16.52	16.52	16.46	17.5	0.0	
20	PI/2 BPSK	100	0	16.52	16.62	16.57			
20	QPSK	1	1	16.40	16.52	16.37			
20	QPSK	1	53	16.54	16.62	16.49	17.5	0.0	
20	QPSK	1	104	16.18	16.30	16.22			
20	QPSK	50	0	16.56	16.68	16.67			
20	QPSK	50	28	16.59	16.64	16.57	17.5	0.0	
20	QPSK	50	56	16.47	16.49	16.38	17.5	0.0	
20	QPSK	100	0	16.53	16.58	16.43			
20	16QAM	1	1	16.23	16.27	16.22			
20	64QAM	1	1	16.33	16.41	16.36	17.5	0.0	
20	256QAM	1	1	16.51	16.59	16.57	17.5	0.0	
Channel				371500	376000	380500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5		17.5	0.0
15	PI/2 BPSK	1	1	16.46	16.47	16.38	17.5	0.0	
Channel				371000	376000	381000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905		17.5	0.0
10	PI/2 BPSK	1	1	16.36	16.47	16.42	17.5	0.0	
Channel				370500	376000	381500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5		17.5	0.0
5	PI/2 BPSK	1	1	16.47	16.47	16.30	17.5	0.0	

n2_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000	15.6	0.0	
Frequency (MHz)				1860	1880	1900			
20	PI/2 BPSK	1	1	13.76	13.91	13.63	15.6	0.0	
20	PI/2 BPSK	1	53	13.93	13.99	13.90			
20	PI/2 BPSK	1	104	13.54	13.69	13.59			
20	PI/2 BPSK	50	0	13.85	13.93	13.82			
20	PI/2 BPSK	50	28	13.86	13.95	13.87	15.6	0.0	
20	PI/2 BPSK	50	56	13.73	13.81	13.76	15.6	0.0	
20	PI/2 BPSK	100	0	13.81	13.92	13.80	15.6	0.0	
20	QPSK	1	1	13.73	13.88	13.74	15.6	0.0	
20	QPSK	1	53	13.91	13.94	13.91			
20	QPSK	1	104	13.52	13.60	13.48			
20	QPSK	50	0	13.90	13.98	13.97			
20	QPSK	50	28	13.81	13.96	13.88	15.6	0.0	
20	QPSK	50	56	13.87	13.87	13.86	15.6	0.0	
20	QPSK	100	0	13.87	13.92	13.85	15.6	0.0	
20	16QAM	1	1	13.64	13.70	13.63	15.6	0.0	
20	64QAM	1	1	13.77	13.78	13.65	15.6	0.0	
20	256QAM	1	1	13.88	13.93	13.92	15.6	0.0	
Channel				371500	376000	380500	15.6	0.0	
Frequency (MHz)				1857.5	1880	1902.5			
15	PI/2 BPSK	1	1	13.70	13.86	13.59	15.6	0.0	
Channel				371000	376000	381000	15.6	0.0	
Frequency (MHz)				1855	1880	1905			
10	PI/2 BPSK	1	1	13.64	13.77	13.52	15.6	0.0	
Channel				370500	376000	381500	15.6	0.0	
Frequency (MHz)				1852.5	1880	1907.5			
5	PI/2 BPSK	1	1	13.75	13.86	13.55	15.6	0.0	



Reduced Power for DSI 2

n7_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	18.0	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	16.96	17.03	16.92			
20	PI/2 BPSK	1	53	17.00	17.14	17.06			
20	PI/2 BPSK	1	104	16.93	17.00	16.97	18.0	0.0	
20	PI/2 BPSK	50	0	16.95	17.08	17.02			
20	PI/2 BPSK	50	28	17.09	17.12	17.10			
20	PI/2 BPSK	50	56	16.93	17.07	17.03			
20	PI/2 BPSK	100	0	17.03	17.10	16.97	18.0	0.0	
20	QPSK	1	1	16.98	17.01	17.01			
20	QPSK	1	53	17.08	17.09	17.08			
20	QPSK	1	104	16.84	16.90	16.87			
20	QPSK	50	0	16.96	17.09	17.09	18.0	0.0	
20	QPSK	50	28	17.07	17.10	16.98			
20	QPSK	50	56	17.07	17.07	16.97			
20	QPSK	100	0	16.91	17.06	16.98			
20	16QAM	1	1	16.79	16.82	16.81	18.0	0.0	
20	64QAM	1	1	16.77	16.84	16.77			
20	256QAM	1	1	16.95	17.07	17.03			
Channel				501500	507000	512500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	18.0	0.0	
15	PI/2 BPSK	1	1	16.92	16.88	16.79			
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	PI/2 BPSK	1	1	16.91	17.00	16.83	18.0	0.0	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5			
5	PI/2 BPSK	1	1	16.82	17.01	16.83			

n7_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	14.8	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	12.81	12.92	12.89			
20	PI/2 BPSK	1	53	13.03	13.04	12.94			
20	PI/2 BPSK	1	104	12.79	12.90	12.75	14.8	0.0	
20	PI/2 BPSK	50	0	12.83	12.97	12.97			
20	PI/2 BPSK	50	28	12.99	13.01	12.98			
20	PI/2 BPSK	50	56	12.79	12.94	12.88			
20	PI/2 BPSK	100	0	12.98	13.02	13.01	14.8	0.0	
20	QPSK	1	1	12.91	12.91	12.85			
20	QPSK	1	53	12.90	13.01	12.94			
20	QPSK	1	104	12.73	12.85	12.80			
20	QPSK	50	0	12.84	12.95	12.81	14.8	0.0	
20	QPSK	50	28	12.89	12.98	12.97			
20	QPSK	50	56	12.78	12.91	12.79			
20	QPSK	100	0	12.96	12.98	12.93			
20	16QAM	1	1	12.62	12.67	12.60	14.8	0.0	
20	64QAM	1	1	12.58	12.68	12.60			
20	256QAM	1	1	12.98	13.01	12.96			
Channel				501500	507000	512500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	14.8	0.0	
15	PI/2 BPSK	1	1	12.71	12.80	12.87			
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	PI/2 BPSK	1	1	12.73	12.89	12.74	14.8	0.0	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5			
5	PI/2 BPSK	1	1	12.73	12.87	12.88			



Reduced Power for DSI 2

n66_Ant 11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	16.80	16.95	16.86		
40	PI/2 BPSK	1	108	16.96	17.11	16.98	18.0	0.0
40	PI/2 BPSK	1	214	16.60	16.68	16.54		
40	PI/2 BPSK	108	0	16.92	17.02	16.94	18.0	0.0
40	PI/2 BPSK	108	54	17.04	17.05	16.99	18.0	0.0
40	PI/2 BPSK	108	108	16.75	16.89	16.84	18.0	0.0
40	PI/2 BPSK	216	0	16.92	16.93	16.90		
40	QPSK	1	1	16.58	16.71	16.60		
40	QPSK	1	108	16.95	17.05	17.02	18.0	0.0
40	QPSK	1	214	16.57	16.72	16.71		
40	QPSK	108	0	16.91	16.95	16.89	18.0	0.0
40	QPSK	108	54	16.93	17.06	17.00	18.0	0.0
40	QPSK	108	108	16.82	16.84	16.80	18.0	0.0
40	QPSK	216	0	16.79	16.90	16.83		
40	16QAM	1	1	16.40	16.47	16.37	18.0	0.0
40	64QAM	1	1	16.41	16.52	16.48	18.0	0.0
40	256QAM	1	1	16.98	17.01	17.01	18.0	0.0
Channel				345000	349000	353000	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	16.78	16.88	16.80	18.0	0.0
Channel				344500	349000	353500	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	PI/2 BPSK	1	1	16.71	16.88	16.81	18.0	0.0
Channel				344000	349000	354000	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	16.73	16.92	16.85	18.0	0.0
Channel				343500	349000	354500	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	16.71	16.90	16.85	18.0	0.0
Channel				343000	349000	355000	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	16.76	16.87	16.84	18.0	0.0
Channel				342500	349000	355500	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	16.75	16.92	16.78	18.0	0.0

n66_Ant 13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
40	PI/2 BPSK	1	1	15.76	15.82	15.69		
40	PI/2 BPSK	1	108	16.11	16.26	16.13	17.6	0.0
40	PI/2 BPSK	1	214	15.71	15.77	15.69		
40	PI/2 BPSK	108	0	15.95	16.10	16.02	17.6	0.0
40	PI/2 BPSK	108	54	16.11	16.15	16.10	17.6	0.0
40	PI/2 BPSK	108	108	15.89	15.94	15.94	17.6	0.0
40	PI/2 BPSK	216	0	15.86	15.95	15.88		
40	QPSK	1	1	15.82	15.82	15.80		
40	QPSK	1	108	16.17	16.20	16.11	17.6	0.0
40	QPSK	1	214	15.80	15.83	15.80		
40	QPSK	108	0	15.88	16.03	15.92	17.6	0.0
40	QPSK	108	54	16.14	16.17	16.05	17.6	0.0
40	QPSK	108	108	15.78	15.88	15.88	17.6	0.0
40	QPSK	216	0	15.96	15.99	15.95		
40	16QAM	1	1	15.49	15.61	15.49	17.6	0.0
40	64QAM	1	1	15.56	15.65	15.53	17.6	0.0
40	256QAM	1	1	16.09	16.21	16.09	17.6	0.0
Channel				345000	349000	353000	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	15.67	15.75	15.62	17.6	0.0
Channel				344500	349000	353500	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	PI/2 BPSK	1	1	15.69	15.75	15.60	17.6	0.0
Channel				344000	349000	354000	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	15.69	15.75	15.64	17.6	0.0
Channel				343500	349000	354500	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	15.75	15.77	15.67	17.6	0.0
Channel				343000	349000	355000	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	15.75	15.75	15.68	17.6	0.0
Channel				342500	349000	355500	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	15.69	15.73	15.64	17.6	0.0

Par27Q n77_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668	17.0	0.0	
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	15.69					
100	PI/2 BPSK	1	137	15.76			17.0	0.0	
100	PI/2 BPSK	1	271	15.69					
100	PI/2 BPSK	135	0	15.46					
100	PI/2 BPSK	135	69	15.52			17.0	0.0	
100	PI/2 BPSK	135	138	15.38					
100	PI/2 BPSK	270	0	15.44					
100	QPSK	1	1	15.68			17.0	0.0	
100	QPSK	1	137	15.65					
100	QPSK	1	271	14.92					
100	QPSK	135	0	15.47			17.0	0.0	
100	QPSK	135	69	15.57					
100	QPSK	135	138	15.35					
100	QPSK	270	0	15.38			17.0	0.0	
100	16QAM	1	1	15.70					
100	64QAM	1	1	15.69					
100	256QAM	1	1	15.74				17.0	
Channel				633000	633332	633666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99	17.0	0.0	
90	PI/2 BPSK	1	1	15.50	15.62	15.52	1 tune-up limit (dBm)	0.0	
Channel				632668	633332	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3499.98	3510	17.0	0.0	
80	PI/2 BPSK	1	1	15.48	15.67	15.53	1 tune-up limit (dBm)	0.0	
Channel				648668	656000	663332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98	17.0	0.0	
60	PI/2 BPSK	1	1	15.52	15.62	15.46	1 tune-up limit (dBm)	0.0	
Channel				631668	633332	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525	17.0	0.0	
50	PI/2 BPSK	1	1	15.52	15.67	15.52	1 tune-up limit (dBm)	0.0	
Channel				631334	633332	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98	17.0	0.0	
40	PI/2 BPSK	1	1	15.51	15.67	15.46	1 tune-up limit (dBm)	0.0	
Channel				630668	633332	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540.00	17.0	0.0	
20	PI/2 BPSK	1	1	15.49	15.63	15.49	1 tune-up limit (dBm)	0.0	
Channel				630500	633332	636166	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3499.98	3542.49	17.0	0.0	
15	PI/2 BPSK	1	1	15.54	15.66	15.48	1 tune-up limit (dBm)	0.0	
Channel				630334	633332	636332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3499.98	3544.98	17.0	0.0	
10	PI/2 BPSK	1	1	15.55	15.65	15.51	17.0	0.0	

Par270 n77_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	17.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	15.27	15.36	15.30			
100	PI/2 BPSK	1	137	15.34	15.37	15.36	17.0	0.0	
100	PI/2 BPSK	1	271	15.28	15.33	15.30			
100	PI/2 BPSK	135	0	15.18	15.34	15.27			
100	PI/2 BPSK	135	69	15.25	15.35	15.34	17.0	0.0	
100	PI/2 BPSK	135	138	15.17	15.27	15.30	17.0	0.0	
100	PI/2 BPSK	270	0	15.20	15.31	15.27			
100	QPSK	1	1	15.32	15.29	15.29			
100	QPSK	1	137	15.19	15.33	15.31	17.0	0.0	
100	QPSK	1	271	15.19	15.31	15.32			
100	QPSK	135	0	15.23	15.34	15.26			
100	QPSK	135	69	15.18	15.34	15.26	17.0	0.0	
100	QPSK	135	138	15.22	15.30	15.26			
100	QPSK	270	0	15.23	15.34	15.27			
100	16QAM	1	1	15.33	15.36	15.34	17.0	0.0	
100	64QAM	1	1	15.30	15.28	15.29	17.0	0.0	
100	256QAM	1	1	15.32	15.31	15.34	17.0	0.0	
Channel				649668	650000	650332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	17.0	0.0	
90	PI/2 BPSK	1	1	15.25	15.31	15.25	tune-up limit (dBm)	MPR (dB)	
Channel				649334	650000	650666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	17.0	0.0	
80	PI/2 BPSK	1	1	15.19	15.28	15.23	tune-up limit (dBm)	0.0	
Channel				648668	650000	651332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	17.0	0.0	
60	PI/2 BPSK	1	1	15.22	15.30	15.26	tune-up limit (dBm)	0.0	
Channel				648334	650000	651666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	17.0	0.0	
50	PI/2 BPSK	1	1	15.19	15.30	15.21	tune-up limit (dBm)	0.0	
Channel				648000	650000	652000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	17.0	0.0	
40	PI/2 BPSK	1	1	15.18	15.29	15.24	tune-up limit (dBm)	0.0	
Channel				647334	650000	652666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750.00	3789.99	17.0	0.0	
20	PI/2 BPSK	1	1	15.20	15.28	15.27	tune-up limit (dBm)	0.0	
Channel				647168	650000	652832	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	17.0	0.0	
15	PI/2 BPSK	1	1	15.24	15.31	15.26	tune-up limit (dBm)	0.0	
Channel				647000	650000	653000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	17.0	0.0	
10	PI/2 BPSK	1	1	15.20	15.30	15.21	17.0	0.0	

Par27Q n77_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		14.23				
100	PI/2 BPSK	1	137		14.31		16.0	0.0	
100	PI/2 BPSK	1	271		14.26				
100	PI/2 BPSK	135	0		14.17		16.0	0.0	
100	PI/2 BPSK	135	69		14.24		16.0	0.0	
100	PI/2 BPSK	135	138		14.15		16.0	0.0	
100	PI/2 BPSK	270	0		14.21				
100	QPSK	1	1		14.21				
100	QPSK	1	137		14.16		16.0	0.0	
100	QPSK	1	271		14.18				
100	QPSK	135	0		14.22				
100	QPSK	135	69		14.18		16.0	0.0	
100	QPSK	135	138		14.15				
100	QPSK	270	0		14.20		16.0	0.0	
100	16QAM	1	1		14.15		16.0	0.0	
100	64QAM	1	1		14.21		16.0	0.0	
100	256QAM	1	1		14.16		16.0	0.0	
Channel				633000	633332	633666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	PI/2 BPSK	1	1	14.07	14.13	14.18	16.0	0.0	
Channel				632668	633332	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3489.98	3490			
80	PI/2 BPSK	1	1	14.15	14.17	14.16	16.0	0.0	
Channel				648668	650000	663332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	PI/2 BPSK	1	1	14.07	14.14	14.15	16.0	0.0	
Channel				631668	633332	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	PI/2 BPSK	1	1	14.15	14.15	14.18	16.0	0.0	
Channel				631334	633332	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	PI/2 BPSK	1	1	14.09	14.12	14.12	16.0	0.0	
Channel				630668	633332	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540.00			
20	PI/2 BPSK	1	1	14.13	14.13	14.18	16.0	0.0	
Channel				630500	633332	636166	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3499.98	3542.49			
15	PI/2 BPSK	1	1	14.10	14.19	14.15	16.0	0.0	
Channel				630334	633332	636332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3499.98	3544.98			
10	PI/2 BPSK	1	1	14.11	14.20	14.18	16.0	0.0	

Par27O n77_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)					3750	3840			
100	PI/2 BPSK	1	1	14.84	14.89	14.79			
100	PI/2 BPSK	1	137	14.90	14.93	14.85	16.0	0.0	
100	PI/2 BPSK	1	271	14.85	14.86	14.78			
100	PI/2 BPSK	135	0	14.83	14.81	14.80	16.0	0.0	
100	PI/2 BPSK	135	69	14.85	14.88	14.81	16.0	0.0	
100	PI/2 BPSK	135	138	14.82	14.85	14.76	16.0	0.0	
100	PI/2 BPSK	270	0	14.85	14.86	14.79			
100	QPSK	1	1	14.81	14.79	14.75			
100	QPSK	1	137	14.78	14.79	14.78	16.0	0.0	
100	QPSK	1	271	14.83	14.79	14.76			
100	QPSK	135	0	14.78	14.79	14.73			
100	QPSK	135	69	14.84	14.85	14.80	16.0	0.0	
100	QPSK	135	138	14.81	14.86	14.78			
100	QPSK	270	0	14.82	14.80	14.77	16.0	0.0	
100	16QAM	1	1	14.83	14.86	14.73	16.0	0.0	
100	64QAM	1	1	14.79	14.87	14.78	16.0	0.0	
100	256QAM	1	1	14.79	14.86	14.72	16.0	0.0	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1	14.84	14.82	14.76	16.0	0.0	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1	14.83	14.85	14.78	16.0	0.0	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1	14.81	14.84	14.78	16.0	0.0	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1	14.81	14.80	14.76	16.0	0.0	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1	14.82	14.80	14.78	16.0	0.0	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750.00	3789.99			
20	PI/2 BPSK	1	1	14.82	14.85	14.78	16.0	0.0	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1	14.77	14.87	14.74	16.0	0.0	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1	14.79	14.85	14.79	16.0	0.0	

Par27Q n77_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668	19.5	0.0	
Frequency (MHz)				3500.01	17.95				
100	PI/2 BPSK	1	1		17.95		19.5	0.0	
100	PI/2 BPSK	1	137		17.98				
100	PI/2 BPSK	1	271		17.92		19.5	0.0	
100	PI/2 BPSK	135	0		17.75				
100	PI/2 BPSK	135	69		17.96		19.5	0.0	
100	PI/2 BPSK	135	138		17.83				
100	PI/2 BPSK	270	0		17.81		19.5	0.0	
100	QPSK	1	1		17.86				
100	QPSK	1	137		17.77		19.5	0.0	
100	QPSK	1	271		17.83				
100	QPSK	135	0		17.77		19.5	0.0	
100	QPSK	135	69		17.83				
100	QPSK	135	138		17.87		19.5	0.0	
100	QPSK	270	0		17.85				
100	16QAM	1	1		17.87		19.5	0.0	
100	64QAM	1	1		17.77		19.5	0.0	
100	256QAM	1	1		15.58		18.0	1.5	
Channel				633000	633332	633668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99	19.5	0.0	
90	PI/2 BPSK	1	1		17.91	17.88	17.72	19.5	
Channel				632668	633332	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3499.98	3510	19.5	0.0	
80	PI/2 BPSK	1	1		17.89	17.92	17.78	19.5	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98	19.5	0.0	
60	PI/2 BPSK	1	1		17.86	17.84	17.75	19.5	
Channel				631668	633332	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525	19.5	0.0	
50	PI/2 BPSK	1	1		17.91	17.89	17.76	19.5	
Channel				631334	633332	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98	19.5	0.0	
40	PI/2 BPSK	1	1		17.88	17.91	17.77	19.5	
Channel				630668	633332	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540.00	19.5	0.0	
20	PI/2 BPSK	1	1		17.83	17.84	17.72	19.5	
Channel				630500	633332	636166	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3499.98	3542.49	19.5	0.0	
15	PI/2 BPSK	1	1		17.88	17.88	17.72	19.5	
Channel				630334	633332	636332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3499.98	3544.98	19.5	0.0	
10	PI/2 BPSK	1	1		17.89	17.89	17.76	19.5	

Par27O n77_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	662000	19.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	17.82	17.85	17.71	19.5	0.0	
100	PI/2 BPSK	1	137	17.90	17.91	17.79			
100	PI/2 BPSK	1	271	17.84	17.90	17.70	19.5	0.0	
100	PI/2 BPSK	135	0	17.78	17.81	17.74			
100	PI/2 BPSK	135	69	17.81	17.86	17.78	19.5	0.0	
100	PI/2 BPSK	135	138	17.78	17.78	17.69			
100	PI/2 BPSK	270	0	17.80	17.82	17.75	19.5	0.0	
100	QPSK	1	1	17.78	17.82	17.76			
100	QPSK	1	137	17.75	17.82	17.74	19.5	0.0	
100	QPSK	1	271	17.76	17.76	17.71			
100	QPSK	135	0	17.80	17.81	17.76	19.5	0.0	
100	QPSK	135	69	17.73	17.81	17.72			
100	QPSK	135	138	17.77	17.79	17.75	19.5	0.0	
100	QPSK	270	0	17.72	17.82	17.76			
100	16QAM	1	1	17.78	17.79	17.76	19.5	0.0	
100	64QAM	1	1	17.76	17.82	17.75	19.5	0.0	
100	256QAM	1	1	15.47	15.59	15.49	18.0	1.5	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	19.5	0.0	
90	PI/2 BPSK	1	1	17.85	17.86	17.76	19.5	0.0	
Channel				649334	650000	650668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	19.5	0.0	
80	PI/2 BPSK	1	1	17.88	17.92	17.74	19.5	0.0	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	19.5	0.0	
60	PI/2 BPSK	1	1	17.83	17.86	17.76	19.5	0.0	
Channel				648334	650000	651668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	19.5	0.0	
50	PI/2 BPSK	1	1	17.85	17.92	17.79	19.5	0.0	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	19.5	0.0	
40	PI/2 BPSK	1	1	17.87	17.91	17.80	19.5	0.0	
Channel				647334	650000	652668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750.00	3789.99	19.5	0.0	
20	PI/2 BPSK	1	1	17.90	17.88	17.79	19.5	0.0	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	19.5	0.0	
15	PI/2 BPSK	1	1	17.84	17.89	17.79	19.5	0.0	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	19.5	0.0	
10	PI/2 BPSK	1	1	17.84	17.89	17.72	19.5	0.0	

Par27Q n77_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668	15.0	0.0	
Frequency (MHz)				13.21	13.21	13.21			
100	PI/2 BPSK	1	1		13.21		15.0	0.0	
100	PI/2 BPSK	1	137		13.29				
100	PI/2 BPSK	1	271		13.28		15.0	0.0	
100	PI/2 BPSK	135	0		13.00				
100	PI/2 BPSK	135	69		13.25		15.0	0.0	
100	PI/2 BPSK	135	138		13.11				
100	PI/2 BPSK	270	0		13.03		15.0	0.0	
100	QPSK	1	1		13.21				
100	QPSK	1	137		13.27		15.0	0.0	
100	QPSK	1	271		12.70				
100	QPSK	135	0		13.03		15.0	0.0	
100	QPSK	135	69		13.18				
100	QPSK	135	138		13.16		15.0	0.0	
100	QPSK	270	0		13.04				
100	16QAM	1	1		13.28		15.0	0.0	
100	64QAM	1	1		13.24		15.0	0.0	
100	256QAM	1	1		13.27		15.0	0.0	
Channel				633000	633332	633666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99	15.0	0.0	
90	PI/2 BPSK	1	1	13.16	13.15	13.06	15.0	0.0	
Channel				632668	633332	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3499.98	3510	15.0	0.0	
80	PI/2 BPSK	1	1	13.08	13.14	13.06	15.0	0.0	
Channel				648668	650000	663332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98	15.0	0.0	
60	PI/2 BPSK	1	1	13.16	13.18	13.02	15.0	0.0	
Channel				631668	633332	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525	15.0	0.0	
50	PI/2 BPSK	1	1	13.10	13.19	13.09	15.0	0.0	
Channel				631334	633332	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98	15.0	0.0	
40	PI/2 BPSK	1	1	13.11	13.14	13.09	15.0	0.0	
Channel				630668	633332	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540.00	15.0	0.0	
20	PI/2 BPSK	1	1	13.12	13.16	13.09	15.0	0.0	
Channel				630500	633332	636166	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3499.98	3542.49	15.0	0.0	
15	PI/2 BPSK	1	1	13.12	13.16	13.02	15.0	0.0	
Channel				630334	633332	636332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3499.98	3544.98	15.0	0.0	
10	PI/2 BPSK	1	1	13.08	13.19	13.08	15.0	0.0	

Par27O n77_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	662000	15.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	13.31	13.38	13.34	15.0	0.0	
100	PI/2 BPSK	1	137	13.38	13.44	13.43			
100	PI/2 BPSK	1	271	13.30	13.35	13.37	15.0	0.0	
100	PI/2 BPSK	135	0	13.25	13.34	13.34			
100	PI/2 BPSK	135	69	13.29	13.39	13.38	15.0	0.0	
100	PI/2 BPSK	135	138	13.28	13.37	13.33			
100	PI/2 BPSK	270	0	13.27	13.33	13.31	15.0	0.0	
100	QPSK	1	1	13.33	13.39	13.38			
100	QPSK	1	137	13.28	13.34	13.33	15.0	0.0	
100	QPSK	1	271	13.27	13.33	13.29			
100	QPSK	135	0	13.25	13.31	13.33	15.0	0.0	
100	QPSK	135	69	13.27	13.33	13.29			
100	QPSK	135	138	13.22	13.32	13.29	15.0	0.0	
100	QPSK	270	0	13.25	13.33	13.34			
100	16QAM	1	1	13.31	13.43	13.39	15.0	0.0	
100	64QAM	1	1	13.32	13.36	13.39	15.0	0.0	
100	256QAM	1	1	13.31	13.37	13.40	13.5	0.0	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	15.0	0.0	
90	PI/2 BPSK	1	1	13.30	13.35	13.28	15.0	0.0	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	15.0	0.0	
80	PI/2 BPSK	1	1	13.23	13.34	13.30	15.0	0.0	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	15.0	0.0	
60	PI/2 BPSK	1	1	13.24	13.29	13.33	15.0	0.0	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	15.0	0.0	
50	PI/2 BPSK	1	1	13.22	13.32	13.33	15.0	0.0	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	15.0	0.0	
40	PI/2 BPSK	1	1	13.22	13.32	13.33	15.0	0.0	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750.00	3789.99	15.0	0.0	
20	PI/2 BPSK	1	1	13.26	13.29	13.29	15.0	0.0	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	15.0	0.0	
15	PI/2 BPSK	1	1	13.28	13.32	13.28	15.0	0.0	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	15.0	0.0	
10	PI/2 BPSK	1	1	13.24	13.31	13.27	15.0	0.0	



Reduced Power for DSI 2

Par27Q n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668	16.8	0.0	
Frequency (MHz)				3495	3500.01	3504.99			
100	PI/2 BPSK	1	1	15.70	15.78	15.78	16.8	0.0	
100	PI/2 BPSK	1	137	15.70	15.78	15.78			
100	PI/2 BPSK	1	271	15.70	15.78	15.78	16.8	0.0	
100	PI/2 BPSK	135	0	15.65	15.76	15.71			
100	PI/2 BPSK	135	69	15.65	15.76	15.71	16.8	0.0	
100	PI/2 BPSK	135	138	15.65	15.76	15.71			
100	PI/2 BPSK	270	0	15.66	15.79	15.75	16.8	0.0	
100	PI/2 BPSK	270	0	15.66	15.79	15.75			
100	QPSK	1	1	15.65	15.76	15.76	16.8	0.0	
100	QPSK	1	137	15.65	15.76	15.76			
100	QPSK	1	271	15.65	15.76	15.76	16.8	0.0	
100	QPSK	135	0	15.63	15.76	15.71			
100	QPSK	135	69	15.63	15.76	15.71	16.8	0.0	
100	QPSK	135	138	15.63	15.76	15.71			
100	QPSK	270	0	15.62	15.80	15.74	16.8	0.0	
100	QPSK	270	0	15.62	15.80	15.74			
100	16QAM	1	1	15.67	15.83	15.74	16.8	0.0	
100	16QAM	1	1	15.67	15.83	15.74			
100	64QAM	1	1	15.65	15.80	15.70	16.8	0.0	
100	256QAM	1	1	15.65	15.80	15.70			
Channel				633000	633334	633668	16.8	0.0	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1	15.70	15.78	15.78	16.8	0.0	
90	PI/2 BPSK	1	137	15.70	15.78	15.78			
Channel				632000	633334	634668	16.8	0.0	
Frequency (MHz)				3480.02	3500.01	3519.99			
80	PI/2 BPSK	1	1	15.65	15.76	15.71	16.8	0.0	
80	PI/2 BPSK	1	137	15.65	15.76	15.71			
Channel				632000	633334	634668	16.8	0.0	
Frequency (MHz)				3480.02	3500.01	3519.99			
60	PI/2 BPSK	1	1	15.66	15.79	15.75	16.8	0.0	
60	PI/2 BPSK	1	137	15.66	15.79	15.75			
Channel				631668	633334	635000	16.8	0.0	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1	15.65	15.76	15.76	16.8	0.0	
50	PI/2 BPSK	1	137	15.65	15.76	15.76			
Channel				631334	633334	635332	16.8	0.0	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1	15.63	15.76	15.71	16.8	0.0	
40	PI/2 BPSK	1	137	15.63	15.76	15.71			
Channel				631000	633334	635668	16.8	0.0	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1	15.62	15.80	15.74	16.8	0.0	
30	PI/2 BPSK	1	137	15.62	15.80	15.74			
Channel				630668	633334	636000	16.8	0.0	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1	15.67	15.83	15.74	16.8	0.0	
20	PI/2 BPSK	1	137	15.67	15.83	15.74			
Channel				630500	636668	642832	16.8	0.0	
Frequency (MHz)				3457.5	3549.99	3642.48			
15	PI/2 BPSK	1	1	15.65	15.80	15.70	16.8	0.0	
15	PI/2 BPSK	1	137	15.65	15.80	15.70			
Channel				630334	636668	643000	16.8	0.0	
Frequency (MHz)				3455.01	3549.99	3645			
10	PI/2 BPSK	1	1	15.64	15.79	15.75	16.8	0.0	
10	PI/2 BPSK	1	137	15.64	15.79	15.75			

Part27O n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	15.57			16.8	0.0	
100	PI/2 BPSK	1	137	15.62					
100	PI/2 BPSK	1	271	15.59					
100	PI/2 BPSK	135	0	15.52					
100	PI/2 BPSK	135	69	15.60			16.8	0.0	
100	PI/2 BPSK	135	138	15.59					
100	PI/2 BPSK	270	0	15.55			16.8	0.0	
100	QPSK	1	1	15.56					
100	QPSK	1	137	15.59			16.8	0.0	
100	QPSK	1	271	15.54					
100	QPSK	135	0	15.54					
100	QPSK	135	69	15.57					
100	QPSK	135	138	15.55			16.8	0.0	
100	QPSK	270	0	15.56					
100	16QAM	1	1	15.53			16.8	0.0	
100	64QAM	1	1	15.55					
100	256QAM	1	1	15.57			16.8	0.0	
Channel				649668	650000	650332			
Frequency (MHz)				3745.02	3750	3754.98	16.8	MPR (dB)	
90	PI/2 BPSK	1	1	15.49	15.51	15.50	16.8	0.0	
Channel				649334	650000	650666	16.8	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	16.8	0.0	
80	PI/2 BPSK	1	1	15.45	15.49	15.41	16.8	0.0	
Channel				648668	650000	651332	16.8	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	16.8	0.0	
60	PI/2 BPSK	1	1	15.45	15.49	15.45	16.8	0.0	
Channel				648334	650000	651666	16.8	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	16.8	0.0	
50	PI/2 BPSK	1	1	15.48	15.54	15.43	16.8	0.0	
Channel				648000	650000	652000	16.8	MPR (dB)	
Frequency (MHz)				3720	3750	3780	16.8	0.0	
40	PI/2 BPSK	1	1	15.50	15.53	15.46	16.8	0.0	
Channel				647668	650000	652332	16.8	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98	16.8	0.0	
30	PI/2 BPSK	1	1	15.50	15.56	15.46	16.8	0.0	
Channel				647334	650000	652666	16.8	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	16.8	0.0	
20	PI/2 BPSK	1	1	15.45	15.56	15.45	16.8	0.0	
Channel				647168	650000	652832	16.8	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	16.8	0.0	
15	PI/2 BPSK	1	1	15.49	15.53	15.42	16.8	0.0	
Channel				647000	650000	653000	16.8	MPR (dB)	
Frequency (MHz)				3705	3750	3795	16.8	0.0	
10	PI/2 BPSK	1	1	15.49	15.54	15.45	16.8	0.0	

Par27Q n78_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668	16.0	0.0	
Frequency (MHz)				3495	3500.01	3504.99			
100	PI/2 BPSK	1	1	14.17	14.20	14.23	16.0	0.0	
100	PI/2 BPSK	1	137	14.17	14.26	14.29			
100	PI/2 BPSK	1	271	14.17	14.18	14.19			
100	PI/2 BPSK	135	0	14.17	14.17	14.17			
100	PI/2 BPSK	135	69	14.17	14.24	14.24	16.0	0.0	
100	PI/2 BPSK	135	138	14.19	14.19	14.19	16.0	0.0	
100	PI/2 BPSK	270	0	14.23	14.23	14.23	16.0	0.0	
100	QPSK	1	1	14.16	14.16	14.16	16.0	0.0	
100	QPSK	1	137	14.18	14.18	14.18			
100	QPSK	1	271	14.22	14.22	14.22			
100	QPSK	135	0	14.17	14.17	14.17			
100	QPSK	135	69	14.20	14.20	14.20	16.0	0.0	
100	QPSK	135	138	14.23	14.23	14.23	16.0	0.0	
100	QPSK	270	0	14.18	14.18	14.18	16.0	0.0	
100	16QAM	1	1	14.19	14.19	14.19	16.0	0.0	
100	64QAM	1	1	14.18	14.18	14.18	16.0	0.0	
100	256QAM	1	1	14.22	14.22	14.22	16.0	0.0	
Channel				633000	633334	633668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	16.0	0.0	
90	PI/2 BPSK	1	1	14.17	14.22	14.24	16.0	0.0	
Channel				632668	633334	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510	16.0	0.0	
80	PI/2 BPSK	1	1	14.20	14.21	14.22	16.0	0.0	
Channel				632000	633334	634668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	16.0	0.0	
60	PI/2 BPSK	1	1	14.22	14.21	14.24	16.0	0.0	
Channel				631668	633334	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	16.0	0.0	
50	PI/2 BPSK	1	1	14.21	14.25	14.18	16.0	0.0	
Channel				631334	633334	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	16.0	0.0	
40	PI/2 BPSK	1	1	14.22	14.19	14.25	16.0	0.0	
Channel				631000	633334	635668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99	16.0	0.0	
30	PI/2 BPSK	1	1	14.22	14.21	14.17	16.0	0.0	
Channel				630668	633334	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	16.0	0.0	
20	PI/2 BPSK	1	1	14.20	14.18	14.25	16.0	0.0	
Channel				630500	636668	642832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48	16.0	0.0	
15	PI/2 BPSK	1	1	14.23	14.23	14.25	16.0	0.0	
Channel				630334	636668	643000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645	16.0	0.0	
10	PI/2 BPSK	1	1	14.17	14.21	14.19	16.0	0.0	

Par27O n78_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	16.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	14.73	14.73	14.73	16.0	0.0	
100	PI/2 BPSK	1	137	14.74	14.74	14.74			
100	PI/2 BPSK	1	271	14.65	14.65	14.65			
100	PI/2 BPSK	135	0	14.65	14.65	14.65			
100	PI/2 BPSK	135	69	14.71	14.71	14.71	16.0	0.0	
100	PI/2 BPSK	135	138	14.70	14.70	14.70	16.0	0.0	
100	PI/2 BPSK	270	0	14.63	14.63	14.63	16.0	0.0	
100	QPSK	1	1	14.62	14.62	14.62	16.0	0.0	
100	QPSK	1	137	14.62	14.62	14.62			
100	QPSK	1	271	14.63	14.63	14.63			
100	QPSK	135	0	14.62	14.62	14.62			
100	QPSK	135	69	14.68	14.68	14.68	16.0	0.0	
100	QPSK	135	138	14.70	14.70	14.70	16.0	0.0	
100	QPSK	270	0	14.70	14.70	14.70	16.0	0.0	
100	16QAM	1	1	14.67	14.67	14.67	16.0	0.0	
100	64QAM	1	1	14.68	14.68	14.68	16.0	0.0	
100	256QAM	1	1	14.66	14.66	14.66	16.0	0.0	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	16.0	0.0	
90	PI/2 BPSK	1	1	14.73	14.69	14.67	16.0	0.0	
Channel				649334	650000	650668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	16.0	0.0	
80	PI/2 BPSK	1	1	14.66	14.68	14.67	16.0	0.0	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	16.0	0.0	
60	PI/2 BPSK	1	1	14.71	14.67	14.66	16.0	0.0	
Channel				648334	650000	651668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	16.0	0.0	
50	PI/2 BPSK	1	1	14.66	14.71	14.66	16.0	0.0	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	16.0	0.0	
40	PI/2 BPSK	1	1	14.72	14.65	14.66	16.0	0.0	
Channel				647668	650000	652332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98	16.0	0.0	
30	PI/2 BPSK	1	1	14.73	14.69	14.66	16.0	0.0	
Channel				647334	650000	652668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	16.0	0.0	
20	PI/2 BPSK	1	1	14.71	14.69	14.65	16.0	0.0	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	16.0	0.0	
15	PI/2 BPSK	1	1	14.71	14.71	14.61	16.0	0.0	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	16.0	0.0	
10	PI/2 BPSK	1	1	14.66	14.69	14.63	16.0	0.0	

Par27Q n78_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	3500.01				
Frequency (MHz)					17.93				
100	PI/2 BPSK	1	1		17.93				
100	PI/2 BPSK	1	137		17.99		19.5	0.0	
100	PI/2 BPSK	1	271		17.94				
100	PI/2 BPSK	135	0		17.90		19.5	0.0	
100	PI/2 BPSK	135	69		17.98		19.5	0.0	
100	PI/2 BPSK	135	138		17.91		19.5	0.0	
100	PI/2 BPSK	270	0		17.95				
100	QPSK	1	1		17.97				
100	QPSK	1	137		17.92		19.5	0.0	
100	QPSK	1	271		17.94				
100	QPSK	135	0		17.95				
100	QPSK	135	69		17.93		19.5	0.0	
100	QPSK	135	138		17.91				
100	QPSK	270	0		17.96		19.5	0.0	
100	16QAM	1	1		17.93		19.5	0.0	
100	64QAM	1	1		17.97		19.5	0.0	
100	256QAM	1	1		17.94		19.5	1.5	
Channel				633000	633334	633666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	19.5	0.0	
90	PI/2 BPSK	1	1		17.77	17.90	17.72	19.5	
Channel				632668	633334	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510	19.5	0.0	
80	PI/2 BPSK	1	1		17.79	17.84	17.71	19.5	
Channel				632000	633334	634666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	19.5	0.0	
60	PI/2 BPSK	1	1		17.79	17.88	17.71	19.5	
Channel				631668	633334	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	19.5	0.0	
50	PI/2 BPSK	1	1		17.74	17.84	17.77	19.5	
Channel				631334	633334	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	19.5	0.0	
40	PI/2 BPSK	1	1		17.78	17.86	17.71	19.5	
Channel				631000	633334	635666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99	19.5	0.0	
30	PI/2 BPSK	1	1		17.72	17.87	17.70	19.5	
Channel				630668	633334	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	19.5	0.0	
20	PI/2 BPSK	1	1		17.72	17.92	17.70	19.5	
Channel				630500	636666	642832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48	19.5	0.0	
15	PI/2 BPSK	1	1		17.72	17.90	17.70	19.5	
Channel				630334	636666	643000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645	19.5	0.0	
10	PI/2 BPSK	1	1		17.74	17.89	17.71	19.5	

Part27O n78_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		17.83				
100	PI/2 BPSK	1	137		17.91		19.5	0.0	
100	PI/2 BPSK	1	271		17.86				
100	PI/2 BPSK	135	0		17.89		19.5	0.0	
100	PI/2 BPSK	135	69		17.89		19.5	0.0	
100	PI/2 BPSK	135	138		17.87		19.5	0.0	
100	PI/2 BPSK	270	0		17.83				
100	QPSK	1	1		17.84				
100	QPSK	1	137		17.88		19.5	0.0	
100	QPSK	1	271		17.82				
100	QPSK	135	0		17.90				
100	QPSK	135	69		17.83		19.5	0.0	
100	QPSK	135	138		17.82				
100	QPSK	270	0		17.88		19.5	0.0	
100	16QAM	1	1		17.89		19.5	0.0	
100	64QAM	1	1		17.90		19.5	0.0	
100	256QAM	1	1		17.90		19.5	1.5	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	19.5	0.0	
90	PI/2 BPSK	1	1		17.79	17.89	17.78	19.5	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	19.5	0.0	
80	PI/2 BPSK	1	1		17.73	17.90	17.71	19.5	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	19.5	0.0	
60	PI/2 BPSK	1	1		17.77	17.85	17.70	19.5	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	19.5	0.0	
50	PI/2 BPSK	1	1		17.76	17.86	17.70	19.5	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	19.5	0.0	
40	PI/2 BPSK	1	1		17.77	17.91	17.71	19.5	
Channel				647668	650000	652332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98	19.5	0.0	
30	PI/2 BPSK	1	1		17.74	17.86	17.70	19.5	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	19.5	0.0	
20	PI/2 BPSK	1	1		17.78	17.89	17.78	19.5	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	19.5	0.0	
15	PI/2 BPSK	1	1		17.74	17.91	17.76	19.5	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	19.5	0.0	
10	PI/2 BPSK	1	1		17.73	17.87	17.76	19.5	

Par27Q n78_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		13.66				
100	PI/2 BPSK	1	137		13.68		15.3	0.0	
100	PI/2 BPSK	1	271		13.67				
100	PI/2 BPSK	135	0		13.33		15.3	0.0	
100	PI/2 BPSK	135	69		13.60		15.3	0.0	
100	PI/2 BPSK	135	138		13.59		15.3	0.0	
100	PI/2 BPSK	270	0		13.47				
100	QPSK	1	1		13.64				
100	QPSK	1	137		13.62		15.3	0.0	
100	QPSK	1	271		13.16				
100	QPSK	135	0		13.35				
100	QPSK	135	69		13.62		15.3	0.0	
100	QPSK	135	138		13.54				
100	QPSK	270	0		13.41		15.3	0.0	
100	16QAM	1	1		13.67		15.3	0.0	
100	64QAM	1	1		13.66		15.3	0.0	
100	256QAM	1	1		13.64		15.3	0.0	
Channel				633000	633334	633666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	15.3	0.0	
90	PI/2 BPSK	1	1	13.47	13.61	13.60	15.3	0.0	
Channel				632668	633334	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510	15.3	0.0	
80	PI/2 BPSK	1	1	13.50	13.57	13.53	15.3	0.0	
Channel				632000	633334	634666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	15.3	0.0	
60	PI/2 BPSK	1	1	13.48	13.59	13.56	15.3	0.0	
Channel				631668	633334	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	15.3	0.0	
50	PI/2 BPSK	1	1	13.52	13.61	13.57	15.3	0.0	
Channel				631334	633334	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	15.3	0.0	
40	PI/2 BPSK	1	1	13.48	13.62	13.56	15.3	0.0	
Channel				631000	633334	635666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99	15.3	0.0	
30	PI/2 BPSK	1	1	13.48	13.65	13.57	15.3	0.0	
Channel				630668	633334	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	15.3	0.0	
20	PI/2 BPSK	1	1	13.52	13.60	13.58	15.3	0.0	
Channel				630500	636666	642832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48	15.3	0.0	
15	PI/2 BPSK	1	1	13.51	13.65	13.59	15.3	0.0	
Channel				630334	636666	643000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645	15.3	0.0	
10	PI/2 BPSK	1	1	13.50	13.58	13.53	15.3	0.0	

Part27O n78_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		13.58				
100	PI/2 BPSK	1	137		13.67		15.3	0.0	
100	PI/2 BPSK	1	271		13.58				
100	PI/2 BPSK	135	0		13.46		15.3	0.0	
100	PI/2 BPSK	135	69		13.57		15.3	0.0	
100	PI/2 BPSK	135	138		13.45		15.3	0.0	
100	PI/2 BPSK	270	0		13.47				
100	QPSK	1	1		13.64				
100	QPSK	1	137		13.60		15.3	0.0	
100	QPSK	1	271		13.61				
100	QPSK	135	0		13.36				
100	QPSK	135	69		13.55		15.3	0.0	
100	QPSK	135	138		13.34				
100	QPSK	270	0		13.45		15.3	0.0	
100	16QAM	1	1		13.60		15.3	0.0	
100	64QAM	1	1		13.61		15.3	0.0	
100	256QAM	1	1		13.66		15.3	0.0	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	15.3	0.0	
90	PI/2 BPSK	1	1	12.97	13.14	13.01	15.3	0.0	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	15.3	0.0	
80	PI/2 BPSK	1	1	12.94	13.16	12.97	15.3	0.0	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	15.3	0.0	
60	PI/2 BPSK	1	1	13.00	13.15	12.98	15.3	0.0	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	15.3	0.0	
50	PI/2 BPSK	1	1	12.92	13.11	12.97	15.3	0.0	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	15.3	0.0	
40	PI/2 BPSK	1	1	12.95	13.16	13.00	15.3	0.0	
Channel				647668	650000	652332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98	15.3	0.0	
30	PI/2 BPSK	1	1	12.92	13.16	12.97	15.3	0.0	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	15.3	0.0	
20	PI/2 BPSK	1	1	12.95	13.11	13.00	15.3	0.0	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	15.3	0.0	
15	PI/2 BPSK	1	1	12.94	13.17	12.97	15.3	0.0	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	15.3	0.0	
10	PI/2 BPSK	1	1	12.92	13.09	13.00	15.3	0.0	



Reduced Power for DSI 3

n2_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000	16.0	0.0	
Frequency (MHz)				1860	1880	1900			
20	PI/2 BPSK	1	1	14.86	14.97	14.85			
20	PI/2 BPSK	1	53	15.00	15.08	15.02	16.0	0.0	
20	PI/2 BPSK	1	104	14.73	14.76	14.70			
20	PI/2 BPSK	50	0	14.92	15.05	14.91			
20	PI/2 BPSK	50	28	14.93	15.06	15.04	16.0	0.0	
20	PI/2 BPSK	50	56	14.90	14.96	14.89	16.0	0.0	
20	PI/2 BPSK	100	0	14.93	15.04	15.00			
20	QPSK	1	1	14.93	15.02	15.01			
20	QPSK	1	53	14.95	15.04	14.95	16.0	0.0	
20	QPSK	1	104	14.67	14.71	14.56			
20	QPSK	50	0	15.00	15.03	14.90			
20	QPSK	50	28	14.88	15.01	14.93	16.0	0.0	
20	QPSK	50	56	14.93	14.98	14.96	16.0	0.0	
20	QPSK	100	0	15.02	15.05	15.03			
20	16QAM	1	1	14.59	14.72	14.65			
20	64QAM	1	1	14.86	14.89	14.76	16.0	0.0	
20	256QAM	1	1	14.91	15.03	15.01	16.0	0.0	
Channel				371500	376000	380500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	PI/2 BPSK	1	1	14.73	14.95	14.77	16.0	0.0	
Channel				371000	376000	381000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	PI/2 BPSK	1	1	14.73	14.82	14.78	16.0	0.0	
Channel				370500	376000	381500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	PI/2 BPSK	1	1	14.73	14.94	14.80	16.0	0.0	

n2_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000	14.1	0.0	
Frequency (MHz)				1860	1880	1900			
20	PI/2 BPSK	1	1	12.21	12.31	12.12			
20	PI/2 BPSK	1	53	12.41	12.45	12.30			
20	PI/2 BPSK	1	104	12.05	12.12	12.04	14.1	0.0	
20	PI/2 BPSK	50	0	12.33	12.42	12.37			
20	PI/2 BPSK	50	28	12.39	12.43	12.40			
20	PI/2 BPSK	50	56	12.31	12.36	12.33			
20	PI/2 BPSK	100	0	12.37	12.38	12.29	14.1	0.0	
20	QPSK	1	1	12.30	12.38	12.28	14.1	0.0	
20	QPSK	1	53	12.26	12.36	12.26			
20	QPSK	1	104	12.01	12.13	12.03			
20	QPSK	50	0	12.21	12.36	12.21			
20	QPSK	50	28	12.32	12.38	12.34	14.1	0.0	
20	QPSK	50	56	12.37	12.38	12.32	14.1	0.0	
20	QPSK	100	0	12.40	12.44	12.38			
20	16QAM	1	1	12.12	12.17	12.04			
20	64QAM	1	1	12.17	12.21	12.12			
20	256QAM	1	1	12.40	12.42	12.28	14.1	0.0	
Channel				371500	376000	380500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	PI/2 BPSK	1	1	12.17	12.29	12.00	14.1	0.0	
Channel				371000	376000	381000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	PI/2 BPSK	1	1	12.16	12.26	12.07	14.1	0.0	
Channel				370500	376000	381500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	PI/2 BPSK	1	1	12.09	12.31	12.01	14.1	0.0	



Reduced Power for DSI 3

n7_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	16.0	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	14.98	15.00	14.99			
20	PI/2 BPSK	1	53	15.00	15.15	15.07	16.0	0.0	
20	PI/2 BPSK	1	104	14.83	14.94	14.92			
20	PI/2 BPSK	50	0	14.94	15.06	15.00			
20	PI/2 BPSK	50	28	15.04	15.07	14.99	16.0	0.0	
20	PI/2 BPSK	50	56	15.02	15.03	14.96	16.0	0.0	
20	PI/2 BPSK	100	0	14.98	15.08	14.99			
20	QPSK	1	1	15.00	15.00	14.86			
20	QPSK	1	53	15.00	15.09	15.08	16.0	0.0	
20	QPSK	1	104	14.74	14.88	14.86			
20	QPSK	50	0	15.03	15.05	14.90			
20	QPSK	50	28	15.06	15.08	14.94	16.0	0.0	
20	QPSK	50	56	14.89	15.02	15.01	16.0	0.0	
20	QPSK	100	0	15.01	15.04	14.92			
20	16QAM	1	1	14.66	14.75	14.70			
20	64QAM	1	1	14.80	14.84	14.70	16.0	0.0	
20	256QAM	1	1	15.00	15.04	14.95	16.0	0.0	
Channel				501500	507000	512500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	16.0		
15	PI/2 BPSK	1	1	14.96	14.95	14.95	16.0	0.0	
Channel				501000	507000	513000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	16.0		
10	PI/2 BPSK	1	1	14.88	14.97	14.90	16.0	0.0	
Channel				500500	507000	513500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	16.0		
5	PI/2 BPSK	1	1	14.96	14.93	14.98	16.0	0.0	

n7_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	13.3	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	11.38	11.38	11.32			
20	PI/2 BPSK	1	53	11.45	11.52	11.47			
20	PI/2 BPSK	1	104	11.30	11.32	11.25	13.3	0.0	
20	PI/2 BPSK	50	0	11.44	11.47	11.32			
20	PI/2 BPSK	50	28	11.46	11.50	11.39			
20	PI/2 BPSK	50	56	11.32	11.40	11.25			
20	PI/2 BPSK	100	0	11.32	11.44	11.34	13.3	0.0	
20	QPSK	1	1	11.21	11.36	11.29			
20	QPSK	1	53	11.41	11.45	11.38			
20	QPSK	1	104	11.26	11.31	11.29			
20	QPSK	50	0	11.29	11.38	11.29	13.3	0.0	
20	QPSK	50	28	11.33	11.45	11.36	13.3	0.0	
20	QPSK	50	56	11.31	11.37	11.30	13.3	0.0	
20	QPSK	100	0	11.35	11.41	11.29			
20	16QAM	1	1	11.00	11.13	11.01			
20	64QAM	1	1	11.21	11.22	11.16			
20	256QAM	1	1	11.28	11.42	11.33	13.3	0.0	
Channel				501500	507000	512500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	PI/2 BPSK	1	1	11.23	11.35	11.25	13.3	0.0	
Channel				501000	507000	513000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	PI/2 BPSK	1	1	11.36	11.32	11.19	13.3	0.0	
Channel				500500	507000	513500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	PI/2 BPSK	1	1	11.34	11.28	11.28	13.3	0.0	



Reduced Power for DSI 3

n66_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000	16.5	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	15.20	15.22	15.11			
40	PI/2 BPSK	1	108	15.57	15.60	15.46	16.5	0.0	
40	PI/2 BPSK	1	214	15.18	15.19	15.08			
40	PI/2 BPSK	108	0	15.43	15.50	15.42			
40	PI/2 BPSK	108	54	15.46	15.53	15.49	16.5	0.0	
40	PI/2 BPSK	108	108	15.32	15.40	15.38			
40	PI/2 BPSK	216	0	15.36	15.44	15.31			
40	QPSK	1	1	15.24	15.24	15.17	16.5	0.0	
40	QPSK	1	108	15.42	15.55	15.53			
40	QPSK	1	214	15.14	15.21	15.19			
40	QPSK	108	0	15.46	15.48	15.40	16.5	0.0	
40	QPSK	108	54	15.38	15.52	15.41			
40	QPSK	108	108	15.42	15.42	15.30			
40	QPSK	216	0	15.38	15.44	15.37	16.5	0.0	
40	16QAM	1	1	15.04	15.04	15.00			
40	64QAM	1	1	15.14	15.14	15.04			
40	256QAM	1	1	15.54	15.56	15.49	16.5	0.0	
Channel				345000	349000	353000			
Frequency (MHz)				1725	1745	1765			
30	PI/2 BPSK	1	1	15.13	15.17	15.07	16.5	0.0	
Channel				344500	349000	353500			
Frequency (MHz)				1722.5	1745	1767.5			
25	PI/2 BPSK	1	1	15.12	15.14	15.02	16.5	0.0	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	15.17	15.21	15.09	16.5	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	PI/2 BPSK	1	1	15.18	15.18	15.08	16.5	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	PI/2 BPSK	1	1	15.19	15.21	15.02	16.5	0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	PI/2 BPSK	1	1	15.14	15.14	15.03	16.5	0.0	
Channel									
Frequency (MHz)									

n66_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	349000	353000	15.6	0.0	
Frequency (MHz)				1725	1745	1765			
40	PI/2 BPSK	1	1	13.82	13.85	13.71			
40	PI/2 BPSK	1	108	14.20	14.22	14.07	15.6	0.0	
40	PI/2 BPSK	1	214	13.77	13.84	13.74			
40	PI/2 BPSK	108	0	14.07	14.11	14.05			
40	PI/2 BPSK	108	54	14.11	14.19	14.08	15.6	0.0	
40	PI/2 BPSK	108	108	13.92	13.93	13.87			
40	PI/2 BPSK	216	0	13.91	14.02	13.90			
40	QPSK	1	1	13.77	13.84	13.77	15.6	0.0	
40	QPSK	1	108	14.16	14.21	14.17			
40	QPSK	1	214	13.68	13.79	13.77			
40	QPSK	108	0	14.06	14.08	14.07	15.6	0.0	
40	QPSK	108	54	14.19	14.21	14.12			
40	QPSK	108	108	13.78	13.92	13.78			
40	QPSK	216	0	13.92	13.97	13.95	15.6	0.0	
40	16QAM	1	1	13.60	13.61	13.61			
40	64QAM	1	1	13.64	13.68	13.61			
40	256QAM	1	1	14.01	14.12	14.02	15.6	0.0	
Channel				345000	349000	353000			
Frequency (MHz)				1725	1745	1765			
30	PI/2 BPSK	1	1	13.73	13.81	13.67	15.6	0.0	
Channel				344500	349000	353500			
Frequency (MHz)				1722.5	1745	1767.5			
25	PI/2 BPSK	1	1	13.74	13.80	13.66	15.6	0.0	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	13.76	13.84	13.68	15.6	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	PI/2 BPSK	1	1	13.81	13.81	13.64	15.6	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	PI/2 BPSK	1	1	13.77	13.80	13.67	15.6	0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	PI/2 BPSK	1	1	13.73	13.80	13.70	15.6	0.0	
Channel									
Frequency (MHz)									

Par27Q n77_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	3500.01				
Frequency (MHz)				14.36					
100	PI/2 BPSK	1	1		14.36				
100	PI/2 BPSK	1	137		14.45		15.5	0.0	
100	PI/2 BPSK	1	271		14.44				
100	PI/2 BPSK	135	0		14.33		15.5	0.0	
100	PI/2 BPSK	135	69		14.40		15.5	0.0	
100	PI/2 BPSK	135	138		14.35		15.5	0.0	
100	PI/2 BPSK	270	0		14.34				
100	QPSK	1	1		14.38				
100	QPSK	1	137		14.39		15.5	0.0	
100	QPSK	1	271		14.31				
100	QPSK	135	0		14.27				
100	QPSK	135	69		14.37		15.5	0.0	
100	QPSK	135	138		14.31				
100	QPSK	270	0		14.22		15.5	0.0	
100	16QAM	1	1		14.39		15.5	0.0	
100	64QAM	1	1		14.43		15.5	0.0	
100	256QAM	1	1		14.40		15.5	0.0	
Channel				633000	633332	633668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99	15.5	0.0	
90	PI/2 BPSK	1	1		14.13	14.28	14.27	15.5	
Channel				632668	633332	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3489.98	3490	15.5	0.0	
80	PI/2 BPSK	1	1		14.14	14.33	14.27	15.5	
Channel				648668	650000	663332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98	15.5	0.0	
60	PI/2 BPSK	1	1		14.13	14.32	14.24	15.5	
Channel				631668	633332	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525	15.5	0.0	
50	PI/2 BPSK	1	1		14.20	14.33	14.23	15.5	
Channel				631334	633332	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98	15.5	0.0	
40	PI/2 BPSK	1	1		14.16	14.33	14.28	15.5	
Channel				630668	633332	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540.00	15.5	0.0	
20	PI/2 BPSK	1	1		14.13	14.34	14.28	15.5	
Channel				630500	633332	636166	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3499.98	3542.49	15.5	0.0	
15	PI/2 BPSK	1	1		14.16	14.29	14.28	15.5	
Channel				630334	633332	636332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3499.98	3544.98	15.5	0.0	
10	PI/2 BPSK	1	1		14.15	14.28	14.29	15.5	

Par27O n77_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1		14.13	14.15	14.06		
100	PI/2 BPSK	1	137		14.15	14.22	14.13	15.5	
100	PI/2 BPSK	1	271		14.07	14.19	14.12		
100	PI/2 BPSK	135	0		14.05	14.12	14.02	15.5	
100	PI/2 BPSK	135	69		14.10	14.17	14.06	15.5	
100	PI/2 BPSK	135	138		14.05	14.10	14.04	15.5	
100	PI/2 BPSK	270	0		14.05	14.11	13.99		
100	QPSK	1	1		14.06	14.17	14.11		
100	QPSK	1	137		14.09	14.12	13.99	15.5	
100	QPSK	1	271		14.02	14.13	14.03		
100	QPSK	135	0		14.08	14.08	13.97		
100	QPSK	135	69		14.07	14.14	14.04	15.5	
100	QPSK	135	138		14.09	14.14	14.03		
100	QPSK	270	0		14.08	14.13	14.05	15.5	
100	16QAM	1	1		14.11	14.17	14.07	15.5	
100	64QAM	1	1		14.10	14.20	14.11	15.5	
100	256QAM	1	1		14.09	14.14	14.08	15.5	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	15.5	0.0	
90	PI/2 BPSK	1	1		14.06	14.06	14.04	15.5	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	15.5	0.0	
80	PI/2 BPSK	1	1		14.09	14.08	14.02	15.5	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	15.5	0.0	
60	PI/2 BPSK	1	1		14.04	14.09	14.03	15.5	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	15.5	0.0	
50	PI/2 BPSK	1	1		14.09	14.07	13.97	15.5	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	15.5	0.0	
40	PI/2 BPSK	1	1		14.11	14.09	14.00	15.5	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750.00	3789.99	15.5	0.0	
20	PI/2 BPSK	1	1		14.05	14.08	13.97	15.5	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	15.5	0.0	
15	PI/2 BPSK	1	1		14.12	14.07	14.03	15.5	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	15.5	0.0	
10	PI/2 BPSK	1	1		14.06	14.10	13.97	15.5	

Par27Q n77_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	12.26					
100	PI/2 BPSK	1	137	12.29			14.0	0.0	
100	PI/2 BPSK	1	271	12.25					
100	PI/2 BPSK	135	0	12.26			14.0	0.0	
100	PI/2 BPSK	135	69	12.28			14.0	0.0	
100	PI/2 BPSK	135	138	12.19			14.0	0.0	
100	PI/2 BPSK	270	0	12.20					
100	QPSK	1	1	12.20					
100	QPSK	1	137	12.21			14.0	0.0	
100	QPSK	1	271	12.27					
100	QPSK	135	0	12.23					
100	QPSK	135	69	12.23			14.0	0.0	
100	QPSK	135	138	12.20					
100	QPSK	270	0	12.26			14.0	0.0	
100	16QAM	1	1	12.20			14.0	0.0	
100	64QAM	1	1	12.22			14.0	0.0	
100	256QAM	1	1	12.26			14.0	0.0	
Channel				633000	633332	633666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99	14.0	0.0	
90	PI/2 BPSK	1	1	12.20	12.28	12.21	14.0	0.0	
Channel				632668	633332	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3499.98	3510	14.0	0.0	
80	PI/2 BPSK	1	1	12.22	12.25	12.28	14.0	0.0	
Channel				648668	650000	663332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98	14.0	0.0	
60	PI/2 BPSK	1	1	12.20	12.25	12.23	14.0	0.0	
Channel				631668	633332	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525	14.0	0.0	
50	PI/2 BPSK	1	1	12.28	12.24	12.27	14.0	0.0	
Channel				631334	633332	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98	14.0	0.0	
40	PI/2 BPSK	1	1	12.21	12.23	12.27	14.0	0.0	
Channel				630668	633332	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540.00	14.0	0.0	
20	PI/2 BPSK	1	1	12.26	12.21	12.25	14.0	0.0	
Channel				630500	633332	636166	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3499.98	3542.49	14.0	0.0	
15	PI/2 BPSK	1	1	12.22	12.23	12.23	14.0	0.0	
Channel				630334	633332	636332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3499.98	3544.98	14.0	0.0	
10	PI/2 BPSK	1	1	12.24	12.24	12.20	14.0	0.0	

Par27O n77_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	12.79	12.91	12.87			
100	PI/2 BPSK	1	137	12.88	12.93	12.90	14.0	0.0	
100	PI/2 BPSK	1	271	12.85	12.84	12.83			
100	PI/2 BPSK	135	0	12.80	12.83	12.73	14.0	0.0	
100	PI/2 BPSK	135	69	12.85	12.92	12.82	14.0	0.0	
100	PI/2 BPSK	135	138	12.82	12.84	12.75	14.0	0.0	
100	PI/2 BPSK	270	0	12.80	12.91	12.80			
100	QPSK	1	1	12.78	12.83	12.78			
100	QPSK	1	137	12.82	12.89	12.78	14.0	0.0	
100	QPSK	1	271	12.82	12.84	12.77			
100	QPSK	135	0	12.81	12.90	12.79			
100	QPSK	135	69	12.83	12.90	12.73	14.0	0.0	
100	QPSK	135	138	12.77	12.90	12.80			
100	QPSK	270	0	12.83	12.85	12.73	14.0	0.0	
100	16QAM	1	1	12.78	12.85	12.76	14.0	0.0	
100	64QAM	1	1	12.79	12.84	12.76	14.0	0.0	
100	256QAM	1	1	12.84	12.86	12.80	14.0	0.0	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	14.0	0.0	
90	PI/2 BPSK	1	1	12.79	12.85	12.73	14.0	0.0	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	14.0	0.0	
80	PI/2 BPSK	1	1	12.83	12.86	12.80	14.0	0.0	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	14.0	0.0	
60	PI/2 BPSK	1	1	12.84	12.90	12.79	14.0	0.0	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	14.0	0.0	
50	PI/2 BPSK	1	1	12.80	12.86	12.74	14.0	0.0	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	14.0	0.0	
40	PI/2 BPSK	1	1	12.84	12.89	12.77	14.0	0.0	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750.00	3789.99	14.0	0.0	
20	PI/2 BPSK	1	1	12.78	12.91	12.74	14.0	0.0	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	14.0	0.0	
15	PI/2 BPSK	1	1	12.82	12.85	12.81	14.0	0.0	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	14.0	0.0	
10	PI/2 BPSK	1	1	12.78	12.87	12.73	14.0	0.0	

Par27Q n77_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334				
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		16.45				
100	PI/2 BPSK	1	137		16.48		18.0	0.0	
100	PI/2 BPSK	1	271		16.44				
100	PI/2 BPSK	135	0		16.39		18.0	0.0	
100	PI/2 BPSK	135	69		16.45		18.0	0.0	
100	PI/2 BPSK	135	138		16.42		18.0	0.0	
100	PI/2 BPSK	270	0		16.40				
100	QPSK	1	1		16.44				
100	QPSK	1	137		16.42		18.0	0.0	
100	QPSK	1	271		16.39				
100	QPSK	135	0		16.37				
100	QPSK	135	69		16.44		18.0	0.0	
100	QPSK	135	138		16.44				
100	QPSK	270	0		16.41		18.0	0.0	
100	16QAM	1	1		16.43		18.0	0.0	
100	64QAM	1	1		16.40		18.0	0.0	
100	256QAM	1	1		15.52		18.0	0.0	
Channel				633000	633332	633666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99	18.0	0.0	
90	PI/2 BPSK	1	1	16.23	16.40	16.21	18.0	0.0	
Channel				632668	633332	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3499.98	3510	18.0	0.0	
80	PI/2 BPSK	1	1	16.30	16.43	16.26	18.0	0.0	
Channel				648668	650000	663332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98	18.0	0.0	
60	PI/2 BPSK	1	1	16.25	16.42	16.21	18.0	0.0	
Channel				631668	633332	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525	18.0	0.0	
50	PI/2 BPSK	1	1	16.23	16.39	16.22	18.0	0.0	
Channel				631334	633332	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98	18.0	0.0	
40	PI/2 BPSK	1	1	16.27	16.38	16.20	18.0	0.0	
Channel				630668	633332	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540.00	18.0	0.0	
20	PI/2 BPSK	1	1	16.28	16.40	16.25	18.0	0.0	
Channel				630500	633332	636166	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3499.98	3542.49	18.0	0.0	
15	PI/2 BPSK	1	1	16.29	16.39	16.18	18.0	0.0	
Channel				630334	633332	636332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3499.98	3544.98	18.0	0.0	
10	PI/2 BPSK	1	1	16.29	16.36	16.26	18.0	0.0	

Par27O n77_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	16.33	16.34	16.29			
100	PI/2 BPSK	1	137	16.38	16.43	16.38	18.0	0.0	
100	PI/2 BPSK	1	271	16.32	16.34	16.25			
100	PI/2 BPSK	135	0	16.26	16.33	16.30	18.0	0.0	
100	PI/2 BPSK	135	69	16.33	16.34	16.30	18.0	0.0	
100	PI/2 BPSK	135	138	16.26	16.31	16.31	18.0	0.0	
100	PI/2 BPSK	270	0	16.22	16.28	16.22			
100	QPSK	1	1	16.25	16.33	16.24			
100	QPSK	1	137	16.16	16.25	16.22	18.0	0.0	
100	QPSK	1	271	16.26	16.28	16.20			
100	QPSK	135	0	16.24	16.27	16.24			
100	QPSK	135	69	16.18	16.26	16.18	18.0	0.0	
100	QPSK	135	138	16.19	16.25	16.19			
100	QPSK	270	0	16.16	16.27	16.24	18.0	0.0	
100	16QAM	1	1	16.16	16.29	16.24	18.0	0.0	
100	64QAM	1	1	16.25	16.31	16.24	18.0	0.0	
100	256QAM	1	1	15.48	15.49	15.41	18.0	0.0	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	18.0	0.0	
90	PI/2 BPSK	1	1	16.31	16.32	16.24	18.0	0.0	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	18.0	0.0	
80	PI/2 BPSK	1	1	16.29	16.30	16.27	18.0	0.0	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	18.0	0.0	
60	PI/2 BPSK	1	1	16.26	16.32	16.23	18.0	0.0	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	18.0	0.0	
50	PI/2 BPSK	1	1	16.28	16.30	16.20	18.0	0.0	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	18.0	0.0	
40	PI/2 BPSK	1	1	16.24	16.29	16.21	18.0	0.0	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750.00	3789.99	18.0	0.0	
20	PI/2 BPSK	1	1	16.32	16.27	16.23	18.0	0.0	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	18.0	0.0	
15	PI/2 BPSK	1	1	16.27	16.32	16.27	18.0	0.0	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	18.0	0.0	
10	PI/2 BPSK	1	1	16.25	16.32	16.23	18.0	0.0	

Par27Q n77_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668	12.0	0.0	
Frequency (MHz)				3500.01	3500.01	3500.01			
100	PI/2 BPSK	1	1	10.66	10.66	10.66	12.0	0.0	
100	PI/2 BPSK	1	137	10.72	10.72	10.72			
100	PI/2 BPSK	1	271	10.66	10.66	10.66	12.0	0.0	
100	PI/2 BPSK	135	0	10.68	10.68	10.68			
100	PI/2 BPSK	135	69	10.71	10.71	10.71	12.0	0.0	
100	PI/2 BPSK	135	138	10.63	10.63	10.63			
100	PI/2 BPSK	270	0	10.66	10.66	10.66	12.0	0.0	
100	QPSK	1	1	10.66	10.66	10.66			
100	QPSK	1	137	10.66	10.66	10.66	12.0	0.0	
100	QPSK	1	271	10.66	10.66	10.66			
100	QPSK	135	0	10.68	10.68	10.68	12.0	0.0	
100	QPSK	135	69	10.69	10.69	10.69			
100	QPSK	135	138	10.63	10.63	10.63	12.0	0.0	
100	QPSK	270	0	10.65	10.65	10.65			
100	16QAM	1	1	10.69	10.69	10.69	12.0	0.0	
100	64QAM	1	1	10.64	10.64	10.64	12.0	0.0	
100	256QAM	1	1	10.69	10.69	10.69	12.0	0.0	
Channel				633000	633332	633666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99	12.0	0.0	
90	PI/2 BPSK	1	1	10.46	10.57	10.54	12.0	0.0	
Channel				632068	633332	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3499.98	3510	12.0	0.0	
80	PI/2 BPSK	1	1	10.46	10.61	10.52	12.0	0.0	
Channel				648668	656000	663332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98	12.0	0.0	
60	PI/2 BPSK	1	1	10.47	10.61	10.60	12.0	0.0	
Channel				631668	633332	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525	12.0	0.0	
50	PI/2 BPSK	1	1	10.47	10.63	10.52	12.0	0.0	
Channel				631334	633332	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98	12.0	0.0	
40	PI/2 BPSK	1	1	10.50	10.60	10.60	12.0	0.0	
Channel				630668	633332	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540.00	12.0	0.0	
20	PI/2 BPSK	1	1	10.49	10.65	10.53	12.0	0.0	
Channel				630500	633332	636166	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3499.98	3542.49	12.0	0.0	
15	PI/2 BPSK	1	1	10.49	10.64	10.56	12.0	0.0	
Channel				630334	633332	636332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3499.98	3544.98	12.0	0.0	
10	PI/2 BPSK	1	1	10.51	10.62	10.55	12.0	0.0	

Par27O n77_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	12.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	10.68	10.66	10.62	12.0	0.0	
100	PI/2 BPSK	1	137	10.73	10.74	10.69			
100	PI/2 BPSK	1	271	10.72	10.62	10.64	12.0	0.0	
100	PI/2 BPSK	135	0	10.69	10.65	10.61			
100	PI/2 BPSK	135	69	10.70	10.72	10.62	12.0	0.0	
100	PI/2 BPSK	135	138	10.68	10.67	10.63			
100	PI/2 BPSK	270	0	10.61	10.67	10.61	12.0	0.0	
100	QPSK	1	1	10.70	10.73	10.60			
100	QPSK	1	137	10.65	10.63	10.60	12.0	0.0	
100	QPSK	1	271	10.67	10.69	10.58			
100	QPSK	135	0	10.66	10.64	10.57	12.0	0.0	
100	QPSK	135	69	10.61	10.63	10.60			
100	QPSK	135	138	10.68	10.68	10.60	12.0	0.0	
100	QPSK	270	0	10.67	10.68	10.54			
100	16QAM	1	1	10.72	10.69	10.60	12.0	0.0	
100	64QAM	1	1	10.64	10.67	10.60	12.0	0.0	
100	256QAM	1	1	10.64	10.66	10.68	12.0	0.0	
Channel				648668	656000	663332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	12.0	0.0	
90	PI/2 BPSK	1	1	10.66	10.65	10.57	12.0	0.0	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	12.0	0.0	
80	PI/2 BPSK	1	1	10.64	10.59	10.53	12.0	0.0	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	12.0	0.0	
60	PI/2 BPSK	1	1	10.64	10.57	10.59	12.0	0.0	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	12.0	0.0	
50	PI/2 BPSK	1	1	10.63	10.59	10.60	12.0	0.0	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	12.0	0.0	
40	PI/2 BPSK	1	1	10.60	10.63	10.58	12.0	0.0	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750.00	3789.99	12.0	0.0	
20	PI/2 BPSK	1	1	10.63	10.59	10.57	12.0	0.0	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	12.0	0.0	
15	PI/2 BPSK	1	1	10.60	10.57	10.54	12.0	0.0	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	12.0	0.0	
10	PI/2 BPSK	1	1	10.66	10.62	10.61	12.0	0.0	



Reduced Power for DSI 3

Par27Q n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668	15.3	0.0	
Frequency (MHz)				3495	3500.01	3504.99			
100	PI/2 BPSK	1	1	14.15	14.32	14.32	15.3	0.0	
100	PI/2 BPSK	1	137	14.15	14.39	14.38			
100	PI/2 BPSK	1	271	14.15	14.38	14.38	15.3	0.0	
100	PI/2 BPSK	135	0	14.15	14.33	14.33			
100	PI/2 BPSK	135	69	14.15	14.34	14.33	15.3	0.0	
100	PI/2 BPSK	135	138	14.15	14.33	14.33			
100	PI/2 BPSK	270	0	14.15	14.30	14.30	15.3	0.0	
100	QPSK	1	1	14.14	14.34	14.34		0.0	
100	QPSK	1	137	14.16	14.26	14.26	15.3	0.0	
100	QPSK	1	271	14.25	14.25	14.25			
100	QPSK	135	0	14.29	14.29	14.29	15.3	0.0	
100	QPSK	135	69	14.28	14.28	14.28			
100	QPSK	135	138	14.27	14.27	14.27	15.3	0.0	
100	QPSK	270	0	14.25	14.25	14.25			
100	16QAM	1	1	14.35	14.35	14.35	15.3	0.0	
100	64QAM	1	1	14.31	14.31	14.31			
100	256QAM	1	1	14.35	14.35	14.35	15.3	0.0	
Channel				633000	633334	633668		15.3	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1	14.15	14.27	14.25	15.3	0.0	
Channel				632668	633334	634000		15.3	
Frequency (MHz)				3480.02	3500.01	3510			
80	PI/2 BPSK	1	1	14.16	14.31	14.26	15.3	0.0	
Channel				632000	633334	634668		15.3	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1	14.20	14.28	14.22	15.3	0.0	
Channel				631668	633334	635000		15.3	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1	14.17	14.31	14.22	15.3	0.0	
Channel				631334	633334	635332		15.3	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1	14.18	14.29	14.30	15.3	0.0	
Channel				631000	633334	635668		15.3	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1	14.15	14.28	14.23	15.3	0.0	
Channel				630668	633334	636000		15.3	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1	14.20	14.29	14.27	15.3	0.0	
Channel				630500	636668	642832		15.3	
Frequency (MHz)				3457.5	3549.99	3642.48			
15	PI/2 BPSK	1	1	14.16	14.30	14.23	15.3	0.0	
Channel				630334	636668	643000		15.3	
Frequency (MHz)				3455.01	3549.99	3645			
10	PI/2 BPSK	1	1	14.18	14.28	14.30	15.3	0.0	
Channel				630000	633334	636668		15.3	
Frequency (MHz)				3450	3500.01	3550			

Part27O n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				649668	650000	650332	15.3	0.0	
Frequency (MHz)				3745.02	3750	3754.98			
100	PI/2 BPSK	1	1	13.81	14.06	14.06	15.3	0.0	
100	PI/2 BPSK	1	137	13.81	14.12	14.12			
100	PI/2 BPSK	1	271	13.81	14.04	14.04	15.3	0.0	
100	PI/2 BPSK	135	0	13.81	14.03	14.03			
100	PI/2 BPSK	135	69	13.81	14.08	14.08	15.3	0.0	
100	PI/2 BPSK	135	138	13.81	14.07	14.07			
100	PI/2 BPSK	270	0	13.81	14.07	14.07	15.3	0.0	
100	QPSK	1	1	14.11	14.11	14.11		0.0	
100	QPSK	1	137	14.01	14.01	14.01	15.3	0.0	
100	QPSK	1	271	14.03	14.03	14.03			
100	QPSK	135	0	13.99	13.99	13.99	15.3	0.0	
100	QPSK	135	69	13.99	13.99	13.99			
100	QPSK	135	138	13.99	13.99	13.99	15.3	0.0	
100	QPSK	270	0	14.01	14.01	14.01			
100	16QAM	1	1	14.05	14.05	14.05	15.3	0.0	
100	64QAM	1	1	14.06	14.06	14.06			
100	256QAM	1	1	14.04	14.04	14.04	15.3	0.0	
Channel				649668	650000	650332		15.3	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1	13.81	14.04	13.99	15.3	0.0	
Channel				649334	650000	650668		15.3	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1	13.77	14.00	13.92	15.3	0.0	
Channel				648668	650000	651332		15.3	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1	13.76	14.05	13.98	15.3	0.0	
Channel				648334	650000	651668		15.3	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1	13.79	14.01	13.98	15.3	0.0	
Channel				648000	650000	652000		15.3	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1	13.81	13.97	13.95	15.3	0.0	
Channel				647668	650000	652332		15.3	
Frequency (MHz)				3715.02	3750.00	3784.98			
30	PI/2 BPSK	1	1	13.75	13.99	13.96	15.3	0.0	
Channel				647334	650000	652668		15.3	
Frequency (MHz)				3710.01	3750	3789.99			
20	PI/2 BPSK	1	1	13.78	14.00	14.00	15.3	0.0	
Channel				647168	650000	652832		15.3	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1	13.78	14.03	13.95	15.3	0.0	
Channel				647000	650000	653000		15.3	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1	13.80	13.99	13.97	15.3	0.0	
Channel				646668	650000	653332		15.3	
Frequency (MHz)				3700	3750	3800			

Par27Q n78_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		12.44				
100	PI/2 BPSK	1	137		12.83		14.0	0.0	
100	PI/2 BPSK	1	271		12.07				
100	PI/2 BPSK	135	0		12.73		14.0	0.0	
100	PI/2 BPSK	135	69		12.81		14.0	0.0	
100	PI/2 BPSK	135	138		12.65		14.0	0.0	
100	PI/2 BPSK	270	0		12.66				
100	QPSK	1	1		12.45				
100	QPSK	1	137		12.81		14.0	0.0	
100	QPSK	1	271		12.07				
100	QPSK	135	0		12.74				
100	QPSK	135	69		12.78		14.0	0.0	
100	QPSK	135	138		12.64				
100	QPSK	270	0		12.64		14.0	0.0	
100	16QAM	1	1		12.20		14.0	0.0	
100	64QAM	1	1		12.22		14.0	0.0	
100	256QAM	1	1		12.81		14.0	0.0	
Channel				633000	633334	633666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1	12.50	12.58	12.45	14.0	0.0	
Channel				632668	633334	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	PI/2 BPSK	1	1	12.53	12.40	12.55	14.0	0.0	
Channel				632000	633334	634666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1	12.47	12.46	12.40	14.0	0.0	
Channel				631668	633334	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1	12.50	12.42	12.42	14.0	0.0	
Channel				631334	633334	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1	12.49	12.43	12.49	14.0	0.0	
Channel				631000	633334	635666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1	12.43	12.48	12.56	14.0	0.0	
Channel				630668	633334	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1	12.42	12.48	12.42	14.0	0.0	
Channel				630500	636666	642832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48			
15	PI/2 BPSK	1	1	12.43	12.41	12.44	14.0	0.0	
Channel				630334	636666	643000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645			
10	PI/2 BPSK	1	1	12.41	12.41	12.42	14.0	0.0	

Par27O n78_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		12.25				
100	PI/2 BPSK	1	137		12.88		14.0	0.0	
100	PI/2 BPSK	1	271		12.42				
100	PI/2 BPSK	135	0		12.71		14.0	0.0	
100	PI/2 BPSK	135	69		12.81		14.0	0.0	
100	PI/2 BPSK	135	138		12.75		14.0	0.0	
100	PI/2 BPSK	270	0		12.70				
100	QPSK	1	1		12.20				
100	QPSK	1	137		12.81		14.0	0.0	
100	QPSK	1	271		12.36				
100	QPSK	135	0		12.68				
100	QPSK	135	69		12.75		14.0	0.0	
100	QPSK	135	138		12.70				
100	QPSK	270	0		12.69		14.0	0.0	
100	16QAM	1	1		12.00		14.0	0.0	
100	64QAM	1	1		12.01		14.0	0.0	
100	256QAM	1	1		12.55		14.0	0.0	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1	12.26	12.18	12.19	14.0	0.0	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1	12.32	12.32	12.28	14.0	0.0	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1	12.35	12.23	12.17	14.0	0.0	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1	12.23	12.20	12.23	14.0	0.0	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1	12.30	12.20	12.36	14.0	0.0	
Channel				647668	650000	652332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98			
30	PI/2 BPSK	1	1	12.22	12.17	12.34	14.0	0.0	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	PI/2 BPSK	1	1	12.25	12.22	12.29	14.0	0.0	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1	12.28	12.19	12.17	14.0	0.0	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1	12.19	12.25	12.30	14.0	0.0	

Par27Q n78_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	3500.01				
Frequency (MHz)				16.26					
100	PI/2 BPSK	1	1		16.26				
100	PI/2 BPSK	1	137		16.32		18.0	0.0	
100	PI/2 BPSK	1	271		16.31				
100	PI/2 BPSK	135	0		16.23		18.0	0.0	
100	PI/2 BPSK	135	69		16.30		18.0	0.0	
100	PI/2 BPSK	135	138		16.27		18.0	0.0	
100	PI/2 BPSK	270	0		16.22				
100	QPSK	1	1		16.22				
100	QPSK	1	137		16.26		18.0	0.0	
100	QPSK	1	271		16.24				
100	QPSK	135	0		16.29				
100	QPSK	135	69		16.28		18.0	0.0	
100	QPSK	135	138		16.21				
100	QPSK	270	0		16.22		18.0	0.0	
100	16QAM	1	1		16.29		18.0	0.0	
100	64QAM	1	1		16.29		18.0	0.0	
100	256QAM	1	1		16.25		18.0	0.0	
Channel				633000	633334	633666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	18.0		
90	PI/2 BPSK	1	1		16.12	16.22	16.19	18.0	
Channel				632668	633334	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510	18.0		
80	PI/2 BPSK	1	1		16.09	16.17	16.17	18.0	
Channel				632000	633334	634666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	18.0		
60	PI/2 BPSK	1	1		16.10	16.22	16.19	18.0	
Channel				631668	633334	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	18.0		
50	PI/2 BPSK	1	1		16.09	16.23	16.12	18.0	
Channel				631334	633334	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	18.0		
40	PI/2 BPSK	1	1		16.07	16.17	16.14	18.0	
Channel				631000	633334	635666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99	18.0		
30	PI/2 BPSK	1	1		16.04	16.17	16.20	18.0	
Channel				630668	633334	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	18.0		
20	PI/2 BPSK	1	1		16.05	16.23	16.20	18.0	
Channel				630500	636666	642832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48	18.0		
15	PI/2 BPSK	1	1		16.08	16.18	16.20	18.0	
Channel				630334	636666	643000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645	18.0		
10	PI/2 BPSK	1	1		16.11	16.19	16.14	18.0	

Part27O n78_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		16.36				
100	PI/2 BPSK	1	137		16.41		18.0	0.0	
100	PI/2 BPSK	1	271		16.32				
100	PI/2 BPSK	135	0		16.35		18.0	0.0	
100	PI/2 BPSK	135	69		16.40		18.0	0.0	
100	PI/2 BPSK	135	138		16.34		18.0	0.0	
100	PI/2 BPSK	270	0		16.39				
100	QPSK	1	1		16.39				
100	QPSK	1	137		16.32		18.0	0.0	
100	QPSK	1	271		16.38				
100	QPSK	135	0		16.34				
100	QPSK	135	69		16.38		18.0	0.0	
100	QPSK	135	138		16.34				
100	QPSK	270	0		16.34		18.0	0.0	
100	16QAM	1	1		16.32		18.0	0.0	
100	64QAM	1	1		16.35		18.0	0.0	
100	256QAM	1	1		16.33		18.0	0.0	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	18.0		
90	PI/2 BPSK	1	1		16.19	16.35	16.19	18.0	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	18.0		
80	PI/2 BPSK	1	1		16.19	16.35	16.15	18.0	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	18.0		
60	PI/2 BPSK	1	1		16.20	16.33	16.23	18.0	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	18.0		
50	PI/2 BPSK	1	1		16.12	16.30	16.17	18.0	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	18.0		
40	PI/2 BPSK	1	1		16.18	16.30	16.23	18.0	
Channel				647668	650000	652332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98	18.0		
30	PI/2 BPSK	1	1		16.17	16.29	16.15	18.0	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	18.0		
20	PI/2 BPSK	1	1		16.19	16.30	16.16	18.0	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	18.0		
15	PI/2 BPSK	1	1		16.18	16.33	16.16	18.0	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	18.0		
10	PI/2 BPSK	1	1		16.12	16.33	16.16	18.0	



Reduced Power for DSI 3

Par27Q n78_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668	11.17		
Frequency (MHz)				3495	3500.01	3504.99			
100	PI/2 BPSK	1	1				12.3	0.0	
100	PI/2 BPSK	1	137		11.23				
100	PI/2 BPSK	1	271		11.21				
100	PI/2 BPSK	135	0		11.10				
100	PI/2 BPSK	135	69		11.16		12.3	0.0	
100	PI/2 BPSK	135	138		11.07		12.3	0.0	
100	PI/2 BPSK	270	0		11.11		12.3	0.0	
100	QPSK	1	1		11.17		12.3	0.0	
100	QPSK	1	137		11.13				
100	QPSK	1	271		11.13				
100	QPSK	135	0		11.14				
100	QPSK	135	69		11.10		12.3	0.0	
100	QPSK	135	138		11.07				
100	QPSK	270	0		11.07				
100	16QAM	1	1		11.20		12.3	0.0	
100	64QAM	1	1		11.14		12.3	0.0	
100	256QAM	1	1		11.14		12.3	0.0	
Channel				633000	633334	633668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	12.3		
90	PI/2 BPSK	1	1	10.93	11.16	11.01	12.3	0.0	
Channel				632668	633334	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510	12.3		
80	PI/2 BPSK	1	1	10.99	11.08	11.01	12.3	0.0	
Channel				632000	633334	634668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	12.3		
60	PI/2 BPSK	1	1	10.99	11.11	10.97	12.3	0.0	
Channel				631668	633334	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	12.3		
50	PI/2 BPSK	1	1	10.92	11.16	10.97	12.3	0.0	
Channel				631334	633334	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	12.3		
40	PI/2 BPSK	1	1	10.92	11.08	10.99	12.3	0.0	
Channel				631000	633334	635668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99	12.3		
30	PI/2 BPSK	1	1	10.93	11.10	10.97	12.3	0.0	
Channel				630668	633334	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	12.3		
20	PI/2 BPSK	1	1	10.92	11.08	10.98	12.3	0.0	
Channel				630500	636666	642832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48	12.3		
15	PI/2 BPSK	1	1	10.92	11.09	10.98	12.3	0.0	
Channel				630334	636666	643000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645	12.3		
10	PI/2 BPSK	1	1	10.97	11.12	10.98	12.3	0.0	

Part27O n78_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000		3750		
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		10.54		12.3	0.0	
100	PI/2 BPSK	1	137		10.62				
100	PI/2 BPSK	1	271		10.55				
100	PI/2 BPSK	135	0		10.54				
100	PI/2 BPSK	135	69		10.56		12.3	0.0	
100	PI/2 BPSK	135	138		10.48		12.3	0.0	
100	PI/2 BPSK	270	0		10.47		12.3	0.0	
100	QPSK	1	1		10.58		12.3	0.0	
100	QPSK	1	137		10.50				
100	QPSK	1	271		10.52				
100	QPSK	135	0		10.54				
100	QPSK	135	69		10.52		12.3	0.0	
100	QPSK	135	138		10.50				
100	QPSK	270	0		10.52				
100	16QAM	1	1		10.58		12.3	0.0	
100	64QAM	1	1		10.56		12.3	0.0	
100	256QAM	1	1		10.61		12.3	0.0	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	12.3		
90	PI/2 BPSK	1	1	10.28	10.49	10.29	12.3	0.0	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	12.3		
80	PI/2 BPSK	1	1	10.30	10.45	10.29	12.3	0.0	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	12.3		
60	PI/2 BPSK	1	1	10.26	10.47	10.28	12.3	0.0	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	12.3		
50	PI/2 BPSK	1	1	10.32	10.52	10.29	12.3	0.0	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	12.3		
40	PI/2 BPSK	1	1	10.32	10.46	10.29	12.3	0.0	
Channel				647668	650000	652332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98	12.3		
30	PI/2 BPSK	1	1	10.32	10.53	10.31	12.3	0.0	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	12.3		
20	PI/2 BPSK	1	1	10.30	10.49	10.30	12.3	0.0	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	12.3		
15	PI/2 BPSK	1	1	10.33	10.50	10.34	12.3	0.0	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	12.3		
10	PI/2 BPSK	1	1	10.33	10.45	10.28	12.3	0.0	



Reduced Power for DSI 4

n2_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000	24.0	0.0	
Frequency (MHz)				1860	1880	1900			
20	PI/2 BPSK	1	1	23.21	23.33	23.08			
20	PI/2 BPSK	1	53	23.39	23.52	23.38	24.0	0.5	
20	PI/2 BPSK	1	104	23.38	23.08	23.37			
20	PI/2 BPSK	50	0	22.87	22.98	22.76			
20	PI/2 BPSK	50	28	23.45	23.49	23.35	24.0	0.0	
20	PI/2 BPSK	50	56	22.98	22.76	22.86	23.5	0.5	
20	PI/2 BPSK	100	0	22.95	22.97	22.86			
20	QPSK	1	1	23.15	23.37	23.07			
20	QPSK	1	53	23.47	23.42	23.31	24.0	0.0	
20	QPSK	1	104	23.28	23.07	23.28			
20	QPSK	50	0	22.40	22.48	22.26	23.0	1.0	
20	QPSK	50	28	23.48	23.40	23.36	24.0	0.0	
20	QPSK	50	56	22.42	22.27	22.31	23.0	1.0	
20	QPSK	100	0	22.40	22.41	22.37			
20	16QAM	1	1	21.82	22.06	21.75	23.0	1.0	
20	64QAM	1	1	20.40	20.61	20.36	21.5	2.5	
20	256QAM	1	1	18.98	19.13	18.91	19.5	4.5	
Channel				371500	376000	380500	1 Use-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	24.0	0.0	
15	PI/2 BPSK	1	1	23.25	23.47	23.18	24.0	0.0	
Channel				371000	376000	381000	1 Use-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905	24.0	0.0	
10	PI/2 BPSK	1	1	23.12	23.24	23.11	24.0	0.0	
Channel				370500	376000	381500	1 Use-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	24.0	0.0	
5	PI/2 BPSK	1	1	23.34	23.44	23.42	24.0	0.0	

n2_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000	23.6	0.0	
Frequency (MHz)				1860	1880	1900			
20	PI/2 BPSK	1	1	21.94	22.09	21.86			
20	PI/2 BPSK	1	53	22.19	22.26	22.14	23.1	0.5	
20	PI/2 BPSK	1	104	22.07	21.89	22.06		0.0	
20	PI/2 BPSK	50	0	21.64	21.69	21.58		0.0	
20	PI/2 BPSK	50	28	22.18	22.25	22.06	23.1	0.5	
20	PI/2 BPSK	50	56	21.61	21.56	21.60		0.0	
20	PI/2 BPSK	100	0	21.65	21.67	21.66		0.0	
20	QPSK	1	1	21.87	22.08	21.75	23.6	1.0	
20	QPSK	1	53	22.21	22.14	21.99			
20	QPSK	1	104	22.01	21.80	21.98			
20	QPSK	50	0	21.12	21.16	21.05	22.6	0.0	
20	QPSK	50	28	22.19	22.13	22.04	23.6	0.0	
20	QPSK	50	56	21.15	20.96	21.08	22.6	1.0	
20	QPSK	100	0	21.15	21.10	21.09			
20	16QAM	1	1	20.62	20.85	20.47	22.6	1.0	
20	64QAM	1	1	19.10	19.32	19.01	21.1	2.5	
20	256QAM	1	1	17.65	17.89	17.56	19.1	4.5	
Channel				371500	376000	380500	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	23.6	0.0	
15	PI/2 BPSK	1	1	22.19	22.14	22.08	23.6	0.0	
Channel				371000	376000	381000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905	23.6	0.0	
10	PI/2 BPSK	1	1	22.09	21.95	22.15	23.6	0.0	
Channel				370500	376000	381500	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	23.6	0.0	
5	PI/2 BPSK	1	1	22.10	22.15	22.19	23.6	0.0	



Reduced Power for DSI 4

n7_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	24.0	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	23.01	23.16	23.08	24.0	0.0	
20	PI/2 BPSK	1	53	23.26	23.37	23.29			
20	PI/2 BPSK	1	104	23.14	23.03	23.28			
20	PI/2 BPSK	50	0	22.61	22.73	22.77			
20	PI/2 BPSK	50	28	23.31	23.36	23.32	23.5	0.5	
20	PI/2 BPSK	50	56	22.82	22.67	22.74	23.5	0.5	
20	PI/2 BPSK	100	0	22.77	22.78	22.76			
20	QPSK	1	1	22.94	23.09	23.04	24.0	0.0	
20	QPSK	1	53	23.20	23.15	23.19			
20	QPSK	1	104	23.12	23.02	23.17			
20	QPSK	50	0	22.12	22.21	22.18		1.0	
20	QPSK	50	28	23.26	23.26	23.31	24.0	0.0	
20	QPSK	50	56	22.30	22.16	22.24	23.0	1.0	
20	QPSK	100	0	22.23	22.27	22.25			
20	16QAM	1	1	21.71	21.83	21.80	23.0	1.0	
20	64QAM	1	1	20.30	20.42	20.27	21.5	2.5	
20	256QAM	1	1	18.86	19.01	18.94	19.5	4.5	
Channel				501500	507000	512500	1 MPR-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	PI/2 BPSK	1	1	22.98	23.11	23.08	24.0	0.0	
Channel				501000	507000	513000	1 MPR-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	PI/2 BPSK	1	1	22.85	22.92	23.07	24.0	0.0	
Channel				500500	507000	513500	1 MPR-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	PI/2 BPSK	1	1	23.01	23.14	23.24	24.0	0.0	

n7_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	23.8	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	21.93	22.06	21.98	23.8	0.0	
20	PI/2 BPSK	1	53	22.18	22.26	22.25			
20	PI/2 BPSK	1	104	22.05	21.97	22.24			
20	PI/2 BPSK	50	0	21.58	21.64	21.68		0.5	
20	PI/2 BPSK	50	28	22.21	22.25	22.18	23.8	0.0	
20	PI/2 BPSK	50	56	21.74	21.65	21.74	23.3	0.5	
20	PI/2 BPSK	100	0	21.65	21.75	21.64			
20	QPSK	1	1	21.90	22.05	21.98	23.8	0.0	
20	QPSK	1	53	22.11	22.09	22.12			
20	QPSK	1	104	22.01	21.97	22.14			
20	QPSK	50	0	20.98	21.12	21.13		1.0	
20	QPSK	50	28	22.14	22.16	22.21	23.8	0.0	
20	QPSK	50	56	21.18	21.06	21.22	22.8	1.0	
20	QPSK	100	0	21.11	21.15	21.22			
20	16QAM	1	1	20.63	20.75	20.66	22.8	1.0	
20	64QAM	1	1	19.15	19.36	19.23	21.3	2.5	
20	256QAM	1	1	17.78	17.92	17.82	19.3	4.5	
Channel				501500	507000	512500	1 MPR-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	PI/2 BPSK	1	1	22.08	22.06	22.00	23.8	0.0	
Channel				501000	507000	513000	1 MPR-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	PI/2 BPSK	1	1	21.99	21.85	21.96	23.8	0.0	
Channel				500500	507000	513500	1 MPR-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	PI/2 BPSK	1	1	22.07	22.05	22.07	23.8	0.0	

n66_Ant 11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	24.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.91	22.93	22.87		
40	PI/2 BPSK	1	108	23.32	23.36	23.33	23.5	0.5
40	PI/2 BPSK	1	214	22.87	22.92	23.04		
40	PI/2 BPSK	108	0	22.65	22.71	22.75		
40	PI/2 BPSK	108	54	23.30	23.33	23.28	24.0	0.0
40	PI/2 BPSK	108	108	22.73	22.61	22.76		
40	PI/2 BPSK	216	0	22.75	22.77	22.69		
40	QPSK	1	1	22.85	22.87	22.86	24.0	0.0
40	QPSK	1	108	23.27	23.28	23.29		
40	QPSK	1	214	22.85	22.87	23.04		
40	QPSK	108	0	22.27	22.31	22.40	23.0	1.0
40	QPSK	108	54	23.27	23.27	23.34		
40	QPSK	108	108	22.40	22.27	22.41		
40	QPSK	216	0	22.32	22.27	22.36	23.0	1.0
40	16QAM	1	1	21.61	21.74	21.72		
40	64QAM	1	1	20.26	20.32	20.28		
40	256QAM	1	1	18.88	18.87	18.83	19.5	4.5
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	22.79	22.81	22.69	24.0	0.0
Channel				344500	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5		
25	PI/2 BPSK	1	1	22.71	22.79	22.64	24.0	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	22.87	22.88	22.88	24.0	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	22.85	22.94	22.94	24.0	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	22.89	22.92	22.86	24.0	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	22.95	22.84	22.84	24.0	0.0
Channel								
Frequency (MHz)								

n66_Ant 13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000	23.6	0.0
Frequency (MHz)				1725	1745	1765		
40	PI/2 BPSK	1	1	21.74	21.72	21.72		
40	PI/2 BPSK	1	108	22.19	22.21	22.16	23.1	0.5
40	PI/2 BPSK	1	214	21.80	21.71	21.83		
40	PI/2 BPSK	108	0	21.62	21.55	21.66		
40	PI/2 BPSK	108	54	22.14	22.15	22.11	23.6	0.0
40	PI/2 BPSK	108	108	21.63	21.39	21.59		
40	PI/2 BPSK	216	0	21.55	21.58	21.55		
40	QPSK	1	1	21.75	21.74	21.67	23.6	0.0
40	QPSK	1	108	22.13	22.13	22.08		
40	QPSK	1	214	21.77	21.73	21.78		
40	QPSK	108	0	21.21	21.16	21.26	22.6	1.0
40	QPSK	108	54	22.10	22.10	22.15		
40	QPSK	108	108	21.25	21.05	21.21		
40	QPSK	216	0	21.27	21.04	21.24	22.6	1.0
40	16QAM	1	1	20.55	20.62	20.56		
40	64QAM	1	1	19.16	19.22	19.13		
40	256QAM	1	1	17.78	17.79	17.66	19.1	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	21.81	21.86	21.71	23.6	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	PI/2 BPSK	1	1	21.61	21.65	21.59	23.6	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	21.71	21.67	21.73	23.6	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	21.73	21.70	21.63	23.6	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	21.72	21.66	21.62	23.6	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	21.66	21.67	21.72	23.6	0.0

Par27Q n77_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334				
Frequency (MHz)				3500.01	22.73				
100	PI/2 BPSK	1	1		22.73				
100	PI/2 BPSK	1	137		22.82		24.0	0.0	
100	PI/2 BPSK	1	271		22.78				
100	PI/2 BPSK	135	0		22.78		24.0	0.0	
100	PI/2 BPSK	135	69		22.79		24.0	0.0	
100	PI/2 BPSK	135	138		22.77		24.0	0.0	
100	PI/2 BPSK	270	0		22.72				
100	QPSK	1	1		22.75				
100	QPSK	1	137		22.76		24.0	0.0	
100	QPSK	1	271		22.71				
100	QPSK	135	0		22.76				
100	QPSK	135	69		22.70		24.0	0.0	
100	QPSK	135	138		22.70				
100	QPSK	270	0		22.75		24.0	0.0	
100	16QAM	1	1		22.77		24.0	0.0	
100	64QAM	1	1		21.23		22.5	1.5	
100	256QAM	1	1		19.20		20.5	3.5	
Channel				633000	633332	633666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99	24.0	0.0	
90	PI/2 BPSK	1	1	22.80	22.81	22.74			
Channel				632668	633332	634000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3499.98	3510	24.0	0.0	
80	PI/2 BPSK	1	1	22.77	22.81	22.73			
Channel				648668	650000	663332	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98	24.0	0.0	
60	PI/2 BPSK	1	1	22.75	22.73	22.77			
Channel				631668	633332	635000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525	24.0	0.0	
50	PI/2 BPSK	1	1	22.79	22.77	22.74			
Channel				631334	633332	635332	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98	24.0	0.0	
40	PI/2 BPSK	1	1	22.80	22.78	22.73			
Channel				630668	633332	636000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540.00	24.0	0.0	
20	PI/2 BPSK	1	1	22.81	22.73	22.73			
Channel				630500	633332	636166	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3499.98	3542.49	24.0	0.0	
15	PI/2 BPSK	1	1	22.75	22.74	22.79			
Channel				630334	633332	636332	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3499.98	3544.98	24.0	0.0	
10	PI/2 BPSK	1	1	22.80	22.73	22.76			

Par27O n77_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	22.68	22.72	22.67			
100	PI/2 BPSK	1	137	22.74	22.77	22.68	24.0	0.0	
100	PI/2 BPSK	1	271	22.65	22.68	22.63			
100	PI/2 BPSK	135	0	22.60	22.72	22.61	24.0	0.0	
100	PI/2 BPSK	135	69	22.69	22.74	22.67	24.0	0.0	
100	PI/2 BPSK	135	138	22.67	22.70	22.61	24.0	0.0	
100	PI/2 BPSK	270	0	22.60	22.65	22.60			
100	QPSK	1	1	22.60	22.73	22.61			
100	QPSK	1	137	22.67	22.65	22.60	24.0	0.0	
100	QPSK	1	271	22.68	22.65	22.63			
100	QPSK	135	0	22.67	22.70	22.59			
100	QPSK	135	69	22.61	22.73	22.66	24.0	0.0	
100	QPSK	135	138	22.68	22.71	22.59			
100	QPSK	270	0	22.63	22.71	22.61	24.0	0.0	
100	16QAM	1	1	22.63	22.68	22.64	24.0	0.0	
100	64QAM	1	1	21.15	21.23	21.14	22.5	1.5	
100	256QAM	1	1	19.13	19.19	19.12	20.5	3.5	
Channel				648668	650000	651332	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	24.0	0.0	
90	PI/2 BPSK	1	1	22.76	22.71	22.68			
Channel				649334	650000	650666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	24.0	0.0	
80	PI/2 BPSK	1	1	22.74	22.70	22.75			
Channel				648668	650000	651332	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	24.0	0.0	
60	PI/2 BPSK	1	1	22.74	22.69	22.73			
Channel				648334	650000	651666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	24.0	0.0	
50	PI/2 BPSK	1	1	22.71	22.68	22.73			
Channel				648000	650000	652000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	24.0	0.0	
40	PI/2 BPSK	1	1	22.70	22.73	22.69			
Channel				647334	650000	652666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750.00	3789.99	24.0	0.0	
20	PI/2 BPSK	1	1	22.75	22.68	22.73			
Channel				647168	650000	652832	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	24.0	0.0	
15	PI/2 BPSK	1	1	22.70	22.72	22.70			
Channel				647000	650000	653000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	24.0	0.0	
10	PI/2 BPSK	1	1	22.74	22.70	22.75			

Par27Q n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	3500.01				
Frequency (MHz)					22.69				
100	PI/2 BPSK	1	1		22.69				
100	PI/2 BPSK	1	137		22.78		23.8	0.0	
100	PI/2 BPSK	1	271		22.70				
100	PI/2 BPSK	135	0		22.69		23.8	0.0	
100	PI/2 BPSK	135	69		22.76		23.8	0.0	
100	PI/2 BPSK	135	138		22.67		23.8	0.0	
100	PI/2 BPSK	270	0		22.70				
100	QPSK	1	1		22.71				
100	QPSK	1	137		22.68		23.8	0.0	
100	QPSK	1	271		22.74				
100	QPSK	135	0		22.73				
100	QPSK	135	69		22.68		23.8	0.0	
100	QPSK	135	138		22.68				
100	QPSK	270	0		22.69		23.8	0.0	
100	16QAM	1	1		22.69		23.8	0.0	
100	64QAM	1	1		21.23		22.3	1.5	
100	256QAM	1	1		19.23		20.3	3.5	
Channel				633000	633334	633666	↑ 100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1	22.74	22.70	22.76	23.8	0.0	
Channel				632068	633334	634000	↑ 100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	PI/2 BPSK	1	1	22.70	22.69	22.75	23.8	0.0	
Channel				632000	633334	634666	↑ 100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1	22.74	22.71	22.77	23.8	0.0	
Channel				631668	633334	635000	↑ 100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1	22.77	22.69	22.72	23.8	0.0	
Channel				631334	633334	635332	↑ 100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1	22.71	22.71	22.76	23.8	0.0	
Channel				631000	633334	635666	↑ 100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1	22.73	22.76	22.69	23.8	0.0	
Channel				630668	633334	636000	↑ 100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1	22.71	22.69	22.69	23.8	0.0	
Channel				630500	636666	642832	↑ 100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48			
15	PI/2 BPSK	1	1	22.76	22.72	22.76	23.8	0.0	
Channel				630334	636666	643000	↑ 100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645			
10	PI/2 BPSK	1	1	22.73	22.72	22.71	23.8	0.0	

Part27O n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		22.72				
100	PI/2 BPSK	1	137		22.73		23.8	0.0	
100	PI/2 BPSK	1	271		22.66				
100	PI/2 BPSK	135	0		22.65		23.8	0.0	
100	PI/2 BPSK	135	69		22.70		23.8	0.0	
100	PI/2 BPSK	135	138		22.63		23.8	0.0	
100	PI/2 BPSK	270	0		22.65				
100	QPSK	1	1		22.66				
100	QPSK	1	137		22.64		23.8	0.0	
100	QPSK	1	271		22.64				
100	QPSK	135	0		22.61				
100	QPSK	135	69		22.61		23.8	0.0	
100	QPSK	135	138		22.62				
100	QPSK	270	0		22.61		23.8	0.0	
100	16QAM	1	1		22.65		23.8	0.0	
100	64QAM	1	1		21.13		22.3	1.5	
100	256QAM	1	1		19.18		20.3	3.5	
Channel				649668	650000	650332	↑ 100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1	22.70	22.68	22.72	23.8	0.0	
Channel				649334	650000	650666	↑ 100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1	22.72	22.68	22.69	23.8	0.0	
Channel				648668	650000	651332	↑ 100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1	22.68	22.72	22.72	23.8	0.0	
Channel				648334	650000	651666	↑ 100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1	22.66	22.65	22.64	23.8	0.0	
Channel				648000	650000	652000	↑ 100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1	22.69	22.70	22.69	23.8	0.0	
Channel				647668	650000	652332	↑ 100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98			
30	PI/2 BPSK	1	1	22.72	22.68	22.67	23.8	0.0	
Channel				647334	650000	652666	↑ 100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	PI/2 BPSK	1	1	22.64	22.67	22.69	23.8	0.0	
Channel				647168	650000	652832	↑ 100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1	22.69	22.67	22.70	23.8	0.0	
Channel				647000	650000	653000	↑ 100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1	22.64	22.72	22.64	23.8	0.0	



Reduced Power for DSI 5

n2_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000	21.0	0.0	
Frequency (MHz)				1860	1880	1900			
20	PI/2 BPSK	1	1	20.00	20.06	19.93			
20	PI/2 BPSK	1	53	20.15	20.21	20.19	21.0	0.0	
20	PI/2 BPSK	1	104	19.82	19.85	19.73			
20	PI/2 BPSK	50	0	19.97	20.12	20.05			
20	PI/2 BPSK	50	28	20.04	20.13	20.12	21.0	0.0	
20	PI/2 BPSK	50	56	19.94	20.01	19.97	21.0	0.0	
20	PI/2 BPSK	100	0	20.04	20.11	20.07			
20	QPSK	1	1	19.93	20.04	20.02			
20	QPSK	1	53	20.02	20.17	20.14	21.0	0.0	
20	QPSK	1	104	19.69	19.82	19.75			
20	QPSK	50	0	20.12	20.16	20.06			
20	QPSK	50	28	19.85	19.98	19.90	21.0	0.0	
20	QPSK	50	56	19.95	20.05	19.93	21.0	0.0	
20	QPSK	100	0	19.96	20.04	19.95			
20	16QAM	1	1	19.76	19.85	19.78			
20	64QAM	1	1	19.81	19.87	19.76	21.0	0.0	
20	256QAM	1	1	18.81	18.91	18.78	19.5	1.5	
Channel				371500	376000	380500	1 Use-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	PI/2 BPSK	1	1	19.93	19.96	19.86	21.0	0.0	
Channel				371000	376000	381000	1 Use-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	PI/2 BPSK	1	1	19.92	20.04	19.85	21.0	0.0	
Channel				370500	376000	381500	1 Use-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	PI/2 BPSK	1	1	20.00	19.96	19.82	21.0	0.0	

n2_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000	21.6	0.0	
Frequency (MHz)				1860	1880	1900			
20	PI/2 BPSK	1	1	19.82	19.92	19.72			
20	PI/2 BPSK	1	53	20.01	20.10	19.96			
20	PI/2 BPSK	1	104	19.70	19.75	19.67	21.6	0.0	
20	PI/2 BPSK	50	0	19.95	20.02	19.95			
20	PI/2 BPSK	50	28	19.96	20.08	20.01			
20	PI/2 BPSK	50	56	19.92	19.93	19.81			
20	PI/2 BPSK	100	0	19.91	20.01	19.97	21.6	0.0	
20	QPSK	1	1	19.81	19.88	19.84			
20	QPSK	1	53	19.97	19.97	19.97			
20	QPSK	1	104	19.58	19.67	19.57			
20	QPSK	50	0	19.99	20.01	19.90	21.6	0.0	
20	QPSK	50	28	19.94	20.00	19.95	21.6	0.0	
20	QPSK	50	56	19.72	19.86	19.82	21.6	0.0	
20	QPSK	100	0	19.81	19.95	19.93			
20	16QAM	1	1	19.69	19.71	19.65			
20	64QAM	1	1	19.16	19.25	19.10			
20	256QAM	1	1	17.68	17.76	17.76	19.1	2.5	
Channel				371500	376000	380500	19.0	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	21.6	0.0	
15	PI/2 BPSK	1	1	19.75	19.89	19.71	21.6	0.0	
Channel				371000	376000	381000			
Frequency (MHz)				1855	1880	1905			
10	PI/2 BPSK	1	1	19.67	19.80	19.65		0.0	
Channel				370500	376000	381500	19.0	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	21.6	0.0	
5	PI/2 BPSK	1	1	19.74	19.91	19.71	21.6	0.0	



Reduced Power for DSI 5

n7_Ant 11										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				502000	507000	512000	21.5	0.0		
Frequency (MHz)				2510	2535	2560				
20	PI/2 BPSK	1	1	20.44	20.56	20.44				
20	PI/2 BPSK	1	53	20.61	20.68	20.61				
20	PI/2 BPSK	1	104	20.50	20.54	20.48	21.5	0.0		
20	PI/2 BPSK	50	0	20.47	20.62	20.58				
20	PI/2 BPSK	50	28	20.56	20.63	20.60				
20	PI/2 BPSK	50	56	20.53	20.54	20.46				
20	PI/2 BPSK	100	0	20.50	20.58	20.56	21.5	0.0		
20	QPSK	1	1	20.39	20.46	20.32				
20	QPSK	1	53	20.50	20.54	20.43				
20	QPSK	1	104	20.35	20.41	20.38				
20	QPSK	50	0	20.61	20.61	20.59	21.5	0.0		
20	QPSK	50	28	20.60	20.64	20.62				
20	QPSK	50	56	20.48	20.54	20.53				
20	QPSK	100	0	20.52	20.60	20.49				
20	16QAM	1	1	20.28	20.28	20.16	21.5	0.0		
20	64QAM	1	1	20.25	20.31	20.30				
20	256QAM	1	1	18.87	18.91	18.86				
Channel				501500	507000	512500				MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5				
15	PI/2 BPSK	1	1	20.36	20.41	20.43				
Channel				501000	507000	513000	MPR (dB)			
Frequency (MHz)				2505	2535	2565				
10	PI/2 BPSK	1	1	20.39	20.52	20.30				
Channel				500500	507000	513500			MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5				
5	PI/2 BPSK	1	1	20.33	20.53	20.29				

n7_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	19.3	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	17.34	17.42	17.41			
20	PI/2 BPSK	1	53	17.52	17.64	17.50			
20	PI/2 BPSK	1	104	17.33	17.41	17.35	19.3	0.0	
20	PI/2 BPSK	50	0	17.39	17.51	17.45			
20	PI/2 BPSK	50	28	17.40	17.53	17.47			
20	PI/2 BPSK	50	56	17.36	17.48	17.43			
20	PI/2 BPSK	100	0	17.47	17.52	17.47	19.3	0.0	
20	QPSK	1	1	17.41	17.42	17.34			
20	QPSK	1	53	17.41	17.54	17.47			
20	QPSK	1	104	17.35	17.36	17.26			
20	QPSK	50	0	17.32	17.47	17.41	19.3	0.0	
20	QPSK	50	28	17.36	17.49	17.44			
20	QPSK	50	56	17.46	17.46	17.38			
20	QPSK	100	0	17.26	17.41	17.35			
20	16QAM	1	1	17.13	17.15	17.14	19.3	0.0	
20	64QAM	1	1	17.18	17.22	17.16			
20	256QAM	1	1	17.51	17.52	17.39			
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5			
15	PI/2 BPSK	1	1	17.31	17.28	17.26			
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	PI/2 BPSK	1	1	17.27	17.32	17.27			
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570			
5	PI/2 BPSK	1	1	17.25	17.41	17.33			
Channel				500000	507000				



Reduced Power for DSI 5

n66_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000	21.5	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	20.23	20.30	20.24			
40	PI/2 BPSK	1	108	20.61	20.74	20.71	21.5	0.0	
40	PI/2 BPSK	1	214	20.12	20.25	20.23			
40	PI/2 BPSK	108	0	20.54	20.61	20.46			
40	PI/2 BPSK	108	54	20.58	20.66	20.65	21.5	0.0	
40	PI/2 BPSK	108	108	20.37	20.44	20.41			
40	PI/2 BPSK	216	0	20.41	20.50	20.43			
40	QPSK	1	1	20.23	20.24	20.16	21.5	0.0	
40	QPSK	1	108	20.66	20.69	20.59			
40	QPSK	1	214	20.25	20.26	20.18			
40	QPSK	108	0	20.45	20.56	20.46	21.5	0.0	
40	QPSK	108	54	20.48	20.56	20.52			
40	QPSK	108	108	20.37	20.41	20.34			
40	QPSK	216	0	20.44	20.46	20.31	21.5	0.0	
40	16QAM	1	1	19.98	20.05	19.93			
40	64QAM	1	1	20.03	20.13	20.05			
40	256QAM	1	1	18.48	18.58	18.44	19.5	2.0	
Channel				345000	349000	353000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	21.5	0.0	
30	PI/2 BPSK	1	1	20.20	20.25	20.21	21.5	0.0	
Channel				344500	349000	353500			
Frequency (MHz)				1722.5	1745	1767.5			
25	PI/2 BPSK	1	1	20.14	20.21	20.22	21.5	0.0	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	20.18	20.27	20.18	21.5	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	PI/2 BPSK	1	1	20.14	20.24	20.23	21.5	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	PI/2 BPSK	1	1	20.14	20.23	20.17	21.5	0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	PI/2 BPSK	1	1	20.18	20.27	20.19	21.5	0.0	

n66_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	349000	353000	21.6	0.0	
Frequency (MHz)				1725	1745	1765			
40	PI/2 BPSK	1	1	19.82	19.94	19.90			
40	PI/2 BPSK	1	108	20.21	20.28	20.13	21.6	0.0	
40	PI/2 BPSK	1	214	19.87	19.91	19.82			
40	PI/2 BPSK	108	0	20.06	20.11	20.11			
40	PI/2 BPSK	108	54	20.18	20.25	20.23	21.6	0.0	
40	PI/2 BPSK	108	108	19.97	20.00	19.93			
40	PI/2 BPSK	216	0	20.05	20.07	20.01			
40	QPSK	1	1	19.91	19.93	19.82	21.6	0.0	
40	QPSK	1	108	20.27	20.27	20.27			
40	QPSK	1	214	19.79	19.91	19.82			
40	QPSK	108	0	19.99	20.13	20.03	21.6	0.0	
40	QPSK	108	54	20.11	20.26	20.21			
40	QPSK	108	108	19.89	19.96	19.88			
40	QPSK	216	0	20.03	20.05	19.98	21.6	0.0	
40	16QAM	1	1	19.55	19.62	19.59			
40	64QAM	1	1	19.98	19.22	19.12			
40	256QAM	1	1	17.80	17.80	17.80	19.1	2.5	
Channel				345000	349000	353000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	21.6	0.0	
30	PI/2 BPSK	1	1	19.79	19.88	19.84	21.6	0.0	
Channel				344500	349000	353500			
Frequency (MHz)				1722.5	1745	1767.5			
25	PI/2 BPSK	1	1	19.75	19.88	19.89	21.6	0.0	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	19.75	19.86	19.83	21.6	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	PI/2 BPSK	1	1	19.77	19.86	19.85	21.6	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	PI/2 BPSK	1	1	19.75	19.93	19.82	21.6	0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	PI/2 BPSK	1	1	19.75	19.90	19.86	21.6	0.0	

Par27Q n77_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668	20.0	0.0	
Frequency (MHz)				3500.01	18.90				
100	PI/2 BPSK	1	1		18.90		20.0	0.0	
100	PI/2 BPSK	1	137		18.92				
100	PI/2 BPSK	1	271		18.87		20.0	0.0	
100	PI/2 BPSK	135	0		18.81				
100	PI/2 BPSK	135	69		18.87		20.0	0.0	
100	PI/2 BPSK	135	138		18.81				
100	PI/2 BPSK	270	0		18.79		20.0	0.0	
100	QPSK	1	1		18.87				
100	QPSK	1	137		18.78		20.0	0.0	
100	QPSK	1	271		18.82				
100	QPSK	135	0		18.78		20.0	0.0	
100	QPSK	135	69		18.78				
100	QPSK	135	138		18.82		20.0	0.0	
100	QPSK	270	0		18.83				
100	16QAM	1	1		18.87		20.0	0.0	
100	64QAM	1	1		18.83		20.0	0.0	
100	256QAM	1	1		18.90		20.0	0.0	
Channel				633000	633332	633666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99	20.0	0.0	
90	PI/2 BPSK	1	1		18.63	18.82	18.79	0.0	
Channel				632668	633332	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3499.98	3510	20.0	0.0	
80	PI/2 BPSK	1	1		18.64	18.86	18.74	0.0	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98	20.0	0.0	
60	PI/2 BPSK	1	1		18.63	18.88	18.72	0.0	
Channel				631668	633332	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525	20.0	0.0	
50	PI/2 BPSK	1	1		18.68	18.82	18.76	0.0	
Channel				631334	633332	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98	20.0	0.0	
40	PI/2 BPSK	1	1		18.70	18.86	18.76	0.0	
Channel				630668	633332	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540.00	20.0	0.0	
20	PI/2 BPSK	1	1		18.64	18.88	18.79	0.0	
Channel				630500	633332	636166	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3499.98	3542.49	20.0	0.0	
15	PI/2 BPSK	1	1		18.63	18.83	18.72	0.0	
Channel				630334	633332	636332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3499.98	3544.98	20.0	0.0	
10	PI/2 BPSK	1	1		18.63	18.83	18.78	0.0	

Par270 n77_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	662000	20.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	18.69	18.63	18.70	20.0	0.0	
100	PI/2 BPSK	1	137	18.71	18.72	18.69			
100	PI/2 BPSK	1	271	18.63	18.69	18.61	20.0	0.0	
100	PI/2 BPSK	135	0	18.67	18.65	18.57			
100	PI/2 BPSK	135	69	18.68	18.69	18.60	20.0	0.0	
100	PI/2 BPSK	135	138	18.67	18.60	18.53			
100	PI/2 BPSK	270	0	18.64	18.68	18.58	20.0	0.0	
100	QPSK	1	1	18.65	18.65	18.65			
100	QPSK	1	137	18.63	18.64	18.57	20.0	0.0	
100	QPSK	1	271	18.65	18.62	18.51			
100	QPSK	135	0	18.60	18.63	18.52	20.0	0.0	
100	QPSK	135	69	18.62	18.64	18.52			
100	QPSK	135	138	18.65	18.63	18.51	20.0	0.0	
100	QPSK	270	0	18.60	18.67	18.56			
100	16QAM	1	1	18.65	18.65	18.68	20.0	0.0	
100	64QAM	1	1	18.65	18.70	18.63	20.0	0.0	
100	256QAM	1	1	18.63	18.71	18.66	20.0	0.0	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	20.0	0.0	
90	PI/2 BPSK	1	1	18.62	18.61	18.62	20.0	0.0	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	20.0	0.0	
80	PI/2 BPSK	1	1	18.62	18.62	18.69	20.0	0.0	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	20.0	0.0	
60	PI/2 BPSK	1	1	18.65	18.60	18.66	20.0	0.0	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	20.0	0.0	
50	PI/2 BPSK	1	1	18.60	18.54	18.62	20.0	0.0	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	20.0	0.0	
40	PI/2 BPSK	1	1	18.60	18.62	18.67	20.0	0.0	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750.00	3789.99	20.0	0.0	
20	PI/2 BPSK	1	1	18.65	18.61	18.66	20.0	0.0	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	20.0	0.0	
15	PI/2 BPSK	1	1	18.60	18.57	18.61	20.0	0.0	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	20.0	0.0	
10	PI/2 BPSK	1	1	18.64	18.57	18.66	20.0	0.0	

Par27Q n77_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	3500.01				
Frequency (MHz)				18.78					
100	PI/2 BPSK	1	1		18.78				
100	PI/2 BPSK	1	137		18.81		20.5	0.0	
100	PI/2 BPSK	1	271		18.77				
100	PI/2 BPSK	135	0		18.64		20.5	0.0	
100	PI/2 BPSK	135	69		18.72		20.5	0.0	
100	PI/2 BPSK	135	138		18.69		20.5	0.0	
100	PI/2 BPSK	270	0		18.65				
100	QPSK	1	1		18.63				
100	QPSK	1	137		18.69		20.5	0.0	
100	QPSK	1	271		18.70				
100	QPSK	135	0		18.63				
100	QPSK	135	69		18.67		20.5	0.0	
100	QPSK	135	138		18.71				
100	QPSK	270	0		18.69		20.5	0.0	
100	16QAM	1	1		18.64		20.5	0.0	
100	64QAM	1	1		17.12		19.0	1.5	
100	256QAM	1	1		15.13		20.5	3.5	
Channel				633000	633332	633668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	PI/2 BPSK	1	1		18.72	18.73	18.77	20.5	
Channel				632668	633332	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3489.98	3490			
80	PI/2 BPSK	1	1		18.77	18.79	18.79	20.5	
Channel				648668	650000	663332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	PI/2 BPSK	1	1		18.76	18.75	18.80	20.5	
Channel				631668	633332	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	PI/2 BPSK	1	1		18.74	18.79	18.80	20.5	
Channel				631334	633332	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	PI/2 BPSK	1	1		18.79	18.73	18.72	20.5	
Channel				630668	633332	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540.00			
20	PI/2 BPSK	1	1		18.76	18.74	18.78	20.5	
Channel				630500	633332	636166	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3499.98	3542.49			
15	PI/2 BPSK	1	1		18.79	18.72	18.80	20.5	
Channel				630334	633332	636332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3499.98	3544.98			
10	PI/2 BPSK	1	1		18.78	18.78	18.76	20.5	

Par27O n77_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1		19.36	19.39	19.32		
100	PI/2 BPSK	1	137		19.42	19.45	19.40	20.5	
100	PI/2 BPSK	1	271		19.35	19.41	19.39		
100	PI/2 BPSK	135	0		19.28	19.36	19.24	20.5	
100	PI/2 BPSK	135	69		19.37	19.41	19.33	20.5	
100	PI/2 BPSK	135	138		19.33	19.39	19.24	20.5	
100	PI/2 BPSK	270	0		19.29	19.40	19.27	20.5	
100	QPSK	1	1		19.32	19.35	19.26		
100	QPSK	1	137		19.30	19.33	19.27	20.5	
100	QPSK	1	271		19.31	19.34	19.29		
100	QPSK	135	0		19.31	19.37	19.29		
100	QPSK	135	69		19.32	19.38	19.32	20.5	
100	QPSK	135	138		19.34	19.35	19.25		
100	QPSK	270	0		19.31	19.34	19.32	20.5	
100	16QAM	1	1		19.36	19.36	19.25	20.5	
100	64QAM	1	1		17.84	17.88	17.82	20.5	
100	256QAM	1	1		15.79	15.86	15.79	20.5	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1		19.35	19.43	19.31	20.5	
Channel				649334	650000	650668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1		19.34	19.41	19.33	20.5	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1		19.39	19.39	19.31	20.5	
Channel				648334	650000	651668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1		19.41	19.42	19.32	20.5	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1		19.33	19.43	19.39	20.5	
Channel				647334	650000	652668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750.00	3789.99			
20	PI/2 BPSK	1	1		19.40	19.44	19.32	20.5	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1		19.41	19.38	19.39	20.5	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1		19.36	19.38	19.31	20.5	

Par27Q n77_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	3500.01				
Frequency (MHz)				19.94					
100	PI/2 BPSK	1	1		19.94				
100	PI/2 BPSK	1	137		20.94		22.5	0.0	
100	PI/2 BPSK	1	271		19.96				
100	PI/2 BPSK	135	0		20.12		22.0	0.5	
100	PI/2 BPSK	135	69		20.90		22.5	0.0	
100	PI/2 BPSK	135	138		20.15		22.0	0.5	
100	PI/2 BPSK	270	0		20.13				
100	QPSK	1	1		19.85				
100	QPSK	1	137		20.85		22.5	0.0	
100	QPSK	1	271		19.88				
100	QPSK	135	0		19.55				
100	QPSK	135	69		20.82		22.5	0.0	
100	QPSK	135	138		19.54				
100	QPSK	270	0		19.43		22.5	1.0	
100	16QAM	1	1		18.61		22.5	1.0	
100	64QAM	1	1		17.02		22.5	2.5	
100	256QAM	1	1		15.58		18.0	4.5	
Channel				633000	633332	633668	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	PI/2 BPSK	1	1		19.75	19.82	19.80	22.5	
Channel				632668	633332	634000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3489.98	3510			
80	PI/2 BPSK	1	1		19.67	19.85	19.78	22.5	
Channel				648668	650000	663332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	PI/2 BPSK	1	1		19.69	19.83	19.81	22.5	
Channel				631668	633332	635000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	PI/2 BPSK	1	1		19.73	19.80	19.74	22.5	
Channel				631334	633332	635332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	PI/2 BPSK	1	1		19.64	19.85	19.83	22.5	
Channel				630668	633332	636000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540.00			
20	PI/2 BPSK	1	1		19.73	19.82	19.72	22.5	
Channel				630500	633332	636166	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3499.98	3542.49			
15	PI/2 BPSK	1	1		19.70	19.83	19.79	22.5	
Channel				630334	633332	636332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3499.98	3544.98			
10	PI/2 BPSK	1	1		19.64	19.84	19.74	22.5	

Par27O n77_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1		19.73	19.85	19.73		
100	PI/2 BPSK	1	137		20.83	20.89	20.84	22.5	
100	PI/2 BPSK	1	271		19.87	19.88	19.78		
100	PI/2 BPSK	135	0		20.11	20.14	20.13	22.0	
100	PI/2 BPSK	135	69		20.78	20.88	20.83	22.5	
100	PI/2 BPSK	135	138		19.93	20.02	20.00	22.0	
100	PI/2 BPSK	270	0		20.03	20.08	20.06	22.0	
100	QPSK	1	1		19.81	19.84	19.74		
100	QPSK	1	137		20.11	20.22	20.17	22.5	
100	QPSK	1	271		19.88	19.76	19.65		
100	QPSK	135	0		19.46	19.51	19.43		
100	QPSK	135	69		20.81	20.72	20.70	22.5	
100	QPSK	135	138		19.31	19.41	19.34		
100	QPSK	270	0		19.21	19.32	19.24	21.5	
100	16QAM	1	1		18.41	18.53	18.42	21.5	
100	64QAM	1	1		17.05	17.08	17.02	20.0	
100	256QAM	1	1		15.49	15.61	15.51	18.0	
Channel				649668	650000	650332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1		19.79	19.82	19.83	22.5	
Channel				649334	650000	650666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1		19.82	19.88	19.75	22.5	
Channel				648668	650000	651332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1		19.77	19.81	19.72	22.5	
Channel				648334	650000	651666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1		19.78	19.84	19.75	22.5	
Channel				648000	650000	652000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1		19.76	19.77	19.79	22.5	
Channel				647334	650000	652666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750.00	3789.99			
20	PI/2 BPSK	1	1		19.76	19.83	19.76	22.5	
Channel				647168	650000	652832	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1		19.81	19.83	19.78	22.5	
Channel				647000	650000	653000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1		19.80	19.80	19.78	22.5	

Par27Q n77_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		15.21				
100	PI/2 BPSK	1	137		15.23		16.5	0.0	
100	PI/2 BPSK	1	271		15.20				
100	PI/2 BPSK	135	0		15.13		16.5	0.0	
100	PI/2 BPSK	135	69		15.15		16.5	0.0	
100	PI/2 BPSK	135	138		15.13		16.5	0.0	
100	PI/2 BPSK	270	0		15.07				
100	QPSK	1	1		15.17				
100	QPSK	1	137		15.10		16.5	0.0	
100	QPSK	1	271		15.11				
100	QPSK	135	0		15.10				
100	QPSK	135	69		15.06		16.5	0.0	
100	QPSK	135	138		15.13				
100	QPSK	270	0		15.06		16.5	0.0	
100	16QAM	1	1		15.14		16.5	0.0	
100	64QAM	1	1		15.14		16.5	0.0	
100	256QAM	1	1		15.14		16.5	0.0	
Channel				633000	633332	633666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	PI/2 BPSK	1	1	15.05	15.18	15.11	16.5	0.0	
Channel				632668	633332	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3489.98	3510			
80	PI/2 BPSK	1	1	15.03	15.12	15.08	16.5	0.0	
Channel				648668	650000	663332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	PI/2 BPSK	1	1	15.03	15.19	15.07	16.5	0.0	
Channel				631668	633332	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3489.98	3525			
50	PI/2 BPSK	1	1	15.04	15.12	15.13	16.5	0.0	
Channel				631334	633332	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3489.98	3529.98			
40	PI/2 BPSK	1	1	15.10	15.12	15.13	16.5	0.0	
Channel				630668	633332	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3489.98	3540.00			
20	PI/2 BPSK	1	1	15.08	15.15	15.09	16.5	0.0	
Channel				630500	633332	636166	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3489.98	3542.49			
15	PI/2 BPSK	1	1	15.09	15.16	15.15	16.5	0.0	
Channel				630334	633332	636332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3489.98	3544.98			
10	PI/2 BPSK	1	1	15.03	15.12	15.08	16.5	0.0	

Par27O n77_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	15.12	15.22	15.18			
100	PI/2 BPSK	1	137	15.18	15.24	15.22	16.5	0.0	
100	PI/2 BPSK	1	271	15.17	15.19	15.20			
100	PI/2 BPSK	135	0	15.09	15.13	15.13	16.5	0.0	
100	PI/2 BPSK	135	69	15.16	15.21	15.16	16.5	0.0	
100	PI/2 BPSK	135	138	15.15	15.17	15.12	16.5	0.0	
100	PI/2 BPSK	270	0	15.07	15.17	15.12			
100	QPSK	1	1	15.09	15.22	15.17			
100	QPSK	1	137	15.11	15.15	15.14	16.5	0.0	
100	QPSK	1	271	15.14	15.19	15.10			
100	QPSK	135	0	15.11	15.15	15.10			
100	QPSK	135	69	15.11	15.19	15.08	16.5	0.0	
100	QPSK	135	138	15.14	15.15	15.08			
100	QPSK	270	0	15.09	15.13	15.13	15.5	0.0	
100	16QAM	1	1	14.35	14.43	14.43	15.5	0.0	
100	64QAM	1	1	14.38	14.40	14.40	14.0	0.0	
100	256QAM	1	1	14.36	14.43	14.40	12.0	0.0	
Channel				648668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1	15.10	15.13	15.16	16.5	0.0	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1	15.04	15.14	15.17	16.5	0.0	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1	15.08	15.21	15.12	16.5	0.0	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1	15.03	15.15	15.15	16.5	0.0	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1	15.08	15.20	15.11	16.5	0.0	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750.00	3789.99			
20	PI/2 BPSK	1	1	15.06	15.17	15.11	16.5	0.0	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1	15.08	15.14	15.17	16.5	0.0	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1	15.08	15.16	15.16	16.5	0.0	



Reduced Power for DSI 5

Par27Q n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	3500.01				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		18.85				
100	PI/2 BPSK	1	137		18.91		19.8	0.0	
100	PI/2 BPSK	1	271		18.89				
100	PI/2 BPSK	135	0		18.83		19.8	0.0	
100	PI/2 BPSK	135	69		18.88		19.8	0.0	
100	PI/2 BPSK	135	138		18.83		19.8	0.0	
100	PI/2 BPSK	270	0		18.81				
100	QPSK	1	1		18.85				
100	QPSK	1	137		18.82		19.8	0.0	
100	QPSK	1	271		18.84				
100	QPSK	135	0		18.79				
100	QPSK	135	69		18.79		19.8	0.0	
100	QPSK	135	138		18.80				
100	QPSK	270	0		18.79		19.8	0.0	
100	16QAM	1	1		18.85		19.8	0.0	
100	64QAM	1	1		18.84		19.8	0.0	
100	256QAM	1	1		18.88		19.8	0.0	
Channel				633000	633334	633666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	19.8	0.0	
90	PI/2 BPSK	1	1		18.57	18.76	18.44	19.8	
Channel				632668	633334	634000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510	19.8	0.0	
80	PI/2 BPSK	1	1		18.60	18.63	18.50	19.8	
Channel				632000	633334	634666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	19.8	0.0	
60	PI/2 BPSK	1	1		18.55	18.76	18.45	19.8	
Channel				631668	633334	635000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	19.8	0.0	
50	PI/2 BPSK	1	1		18.60	18.76	18.50	19.8	
Channel				631334	633334	635332	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	19.8	0.0	
40	PI/2 BPSK	1	1		18.56	18.78	18.50	19.8	
Channel				631000	633334	635666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99	19.8	0.0	
30	PI/2 BPSK	1	1		18.55	18.77	18.51	19.8	
Channel				630668	633334	636000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	19.8	0.0	
20	PI/2 BPSK	1	1		18.52	18.84	18.51	19.8	
Channel				630500	636666	642832	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48	19.8	0.0	
15	PI/2 BPSK	1	1		18.56	18.77	18.44	19.8	
Channel				630334	636666	643000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645	19.8	0.0	
10	PI/2 BPSK	1	1		18.56	18.83	18.49	19.8	

Part27O n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		18.59				
100	PI/2 BPSK	1	137		18.62		19.8	0.0	
100	PI/2 BPSK	1	271		18.55				
100	PI/2 BPSK	135	0		18.59		19.8	0.0	
100	PI/2 BPSK	135	69		18.60		19.8	0.0	
100	PI/2 BPSK	135	138		18.56		19.8	0.0	
100	PI/2 BPSK	270	0		18.56				
100	QPSK	1	1		18.57				
100	QPSK	1	137		18.51		19.8	0.0	
100	QPSK	1	271		18.55				
100	QPSK	135	0		18.52				
100	QPSK	135	69		18.52		19.8	0.0	
100	QPSK	135	138		18.55				
100	QPSK	270	0		18.52		19.8	0.0	
100	16QAM	1	1		18.56		19.8	0.0	
100	64QAM	1	1		18.57		19.8	0.0	
100	256QAM	1	1		18.59		19.8	0.0	
Channel				649668	650000	650332	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	19.8	0.0	
90	PI/2 BPSK	1	1		18.42	18.50	18.44	19.8	
Channel				649334	650000	650666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	19.8	0.0	
80	PI/2 BPSK	1	1		18.44	18.51	18.45	19.8	
Channel				648668	650000	651332	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	19.8	0.0	
60	PI/2 BPSK	1	1		18.49	18.51	18.47	19.8	
Channel				648334	650000	651666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	19.8	0.0	
50	PI/2 BPSK	1	1		18.43	18.51	18.44	19.8	
Channel				648000	650000	652000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	19.8	0.0	
40	PI/2 BPSK	1	1		18.48	18.56	18.45	19.8	
Channel				647668	650000	652332	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98	19.8	0.0	
30	PI/2 BPSK	1	1		18.48	18.54	18.46	19.8	
Channel				647334	650000	652666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	19.8	0.0	
20	PI/2 BPSK	1	1		18.45	18.54	18.45	19.8	
Channel				647168	650000	652832	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	19.8	0.0	
15	PI/2 BPSK	1	1		18.46	18.50	18.51	19.8	
Channel				647000	650000	653000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	19.8	0.0	
10	PI/2 BPSK	1	1		18.48	18.58	18.46	19.8	



Reduced Power for DSI 5

Par27Q n78_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	20.5	0.0	
100	PI/2 BPSK	1	1	18.61	18.61	18.61	20.5	0.0	
100	PI/2 BPSK	1	137	19.25	19.25	19.25			
100	PI/2 BPSK	1	271	18.17	18.17	18.17			
100	PI/2 BPSK	135	0	19.08	19.08	19.08			
100	PI/2 BPSK	135	69	19.25	19.25	19.25	20.5	0.0	
100	PI/2 BPSK	135	138	18.92	18.92	18.92	20.5	0.0	
100	PI/2 BPSK	270	0	18.99	18.99	18.99			
100	QPSK	1	1	18.56	18.56	18.56	20.5	0.0	
100	QPSK	1	137	19.22	19.22	19.22			
100	QPSK	1	271	18.16	18.16	18.16			
100	QPSK	135	0	19.04	19.04	19.04			
100	QPSK	135	69	19.12	19.12	19.12	20.5	0.0	
100	QPSK	135	138	18.96	18.96	18.96			
100	QPSK	270	0	18.97	18.97	18.97	20.5	0.0	
100	16QAM	1	1	18.34	18.34	18.34	20.5	0.0	
100	64QAM	1	1	17.15	17.15	17.15	19.0	1.5	
100	256QAM	1	1	15.73	15.73	15.73	17.0	3.5	
Channel				633000	633334	633668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	20.5	0.0	
90	PI/2 BPSK	1	1	18.69	18.71	18.78	20.5	0.0	
Channel				632668	633334	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510	20.5	0.0	
80	PI/2 BPSK	1	1	18.68	18.74	18.68	20.5	0.0	
Channel				632000	633334	634668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	20.5	0.0	
60	PI/2 BPSK	1	1	18.72	18.74	18.71	20.5	0.0	
Channel				631668	633334	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	20.5	0.0	
50	PI/2 BPSK	1	1	18.82	18.78	18.69	20.5	0.0	
Channel				631334	633334	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	20.5	0.0	
40	PI/2 BPSK	1	1	18.80	18.85	18.67	20.5	0.0	
Channel				631000	633334	635668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99	20.5	0.0	
30	PI/2 BPSK	1	1	18.85	18.76	18.84	20.5	0.0	
Channel				630668	633334	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	20.5	0.0	
20	PI/2 BPSK	1	1	18.78	18.75	18.81	20.5	0.0	
Channel				630500	636668	642832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48	20.5	0.0	
15	PI/2 BPSK	1	1	18.68	18.69	18.80	20.5	0.0	
Channel				630334	636668	643000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645	20.5	0.0	
10	PI/2 BPSK	1	1	18.81	18.78	18.79	20.5	0.0	

Par27O n78_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	20.5	0.0	
100	PI/2 BPSK	1	1	18.37	18.46	18.46	20.5	0.0	
100	PI/2 BPSK	1	137	19.30	19.30	19.30	20.5	0.0	
100	PI/2 BPSK	1	271	18.50	18.50	18.50			
100	PI/2 BPSK	135	0	19.02	19.02	19.02			
100	PI/2 BPSK	135	69	19.22	19.22	19.22			
100	PI/2 BPSK	135	138	19.11	19.11	19.11	20.5	0.0	
100	PI/2 BPSK	270	0	19.04	19.04	19.04			
100	QPSK	1	1	18.33	18.33	18.33	20.5	0.0	
100	QPSK	1	137	19.25	19.25	19.25			
100	QPSK	1	271	18.55	18.55	18.55			
100	QPSK	135	0	19.00	19.00	19.00			
100	QPSK	135	69	19.14	19.14	19.14	20.5	0.0	
100	QPSK	135	138	19.04	19.04	19.04			
100	QPSK	270	0	19.00	19.00	19.00	20.5	0.0	
100	16QAM	1	1	18.10	18.10	18.10	20.5	0.0	
100	64QAM	1	1	17.00	17.00	17.00	19.0	1.5	
100	256QAM	1	1	15.54	15.54	15.54	17.0	3.5	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	20.5	0.0	
90	PI/2 BPSK	1	1	18.37	18.46	18.46	20.5	0.0	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	20.5	0.0	
80	PI/2 BPSK	1	1	18.48	18.50	18.37	20.5	0.0	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	20.5	0.0	
60	PI/2 BPSK	1	1	18.40	18.49	18.31	20.5	0.0	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	20.5	0.0	
50	PI/2 BPSK	1	1	18.40	18.42	18.48	20.5	0.0	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	20.5	0.0	
40	PI/2 BPSK	1	1	18.44	18.43	18.44	20.5	0.0	
Channel				647668	650000	652332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98	20.5	0.0	
30	PI/2 BPSK	1	1	18.34	18.33	18.31	20.5	0.0	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	20.5	0.0	
20	PI/2 BPSK	1	1	18.37	18.47	18.41	20.5	0.0	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	20.5	0.0	
15	PI/2 BPSK	1	1	18.39	18.36	18.32	20.5	0.0	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	20.5	0.0	
10	PI/2 BPSK	1	1	18.47	18.46	18.42	20.5	0.0	

Par27Q n78_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	3500.01				
Frequency (MHz)					19.52				
100	PI/2 BPSK	1	1		19.52				
100	PI/2 BPSK	1	137		20.86		22.5	0.0	
100	PI/2 BPSK	1	271		19.87				
100	PI/2 BPSK	135	0		19.81		22.0	0.5	
100	PI/2 BPSK	135	69		20.83		22.5	0.0	
100	PI/2 BPSK	135	138		20.03		22.0	0.5	
100	PI/2 BPSK	270	0		20.03				
100	QPSK	1	1		19.46				
100	QPSK	1	137		20.86		22.5	0.0	
100	QPSK	1	271		19.82				
100	QPSK	135	0		19.21				
100	QPSK	135	69		20.59		22.5	0.0	
100	QPSK	135	138		19.41				
100	QPSK	270	0		19.26		22.5	1.0	
100	16QAM	1	1		18.17		22.5	1.0	
100	64QAM	1	1		17.64		22.5	2.5	
100	256QAM	1	1		15.82		22.5	4.5	
Channel				633000	633334	633666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1		19.96	19.95	19.93	22.5	
Channel				632668	633334	634000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	PI/2 BPSK	1	1		19.94	19.92	19.88	22.5	
Channel				632000	633334	634666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1		19.93	19.86	19.94	22.5	
Channel				631668	633334	635000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1		20.00	19.86	19.88	22.5	
Channel				631334	633334	635332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1		19.90	19.95	19.96	22.5	
Channel				631000	633334	635666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1		19.99	19.92	19.91	22.5	
Channel				630668	633334	636000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1		19.97	19.92	19.95	22.5	
Channel				630500	636666	642832	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48			
15	PI/2 BPSK	1	1		19.92	19.90	19.88	22.5	
Channel				630334	636666	643000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645			
10	PI/2 BPSK	1	1		20.00	19.89	19.90	22.5	

Part27O n78_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		19.76				
100	PI/2 BPSK	1	137		20.85		22.5	0.0	
100	PI/2 BPSK	1	271		19.54				
100	PI/2 BPSK	135	0		19.85		22.0	0.5	
100	PI/2 BPSK	135	69		20.81		22.5	0.0	
100	PI/2 BPSK	135	138		19.82		22.0	0.5	
100	PI/2 BPSK	270	0		20.05				
100	QPSK	1	1		19.68				
100	QPSK	1	137		20.82		22.5	0.0	
100	QPSK	1	271		19.49				
100	QPSK	135	0		19.24				
100	QPSK	135	69		20.46		22.5	0.0	
100	QPSK	135	138		19.18				
100	QPSK	270	0		19.12		22.5	1.0	
100	16QAM	1	1		18.39		22.5	1.0	
100	64QAM	1	1		17.45		22.5	2.5	
100	256QAM	1	1		15.84		22.5	4.5	
Channel				649668	650000	650332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1		19.92	19.93	19.93	22.5	
Channel				649334	650000	650666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1		20.01	19.89	19.94	22.5	
Channel				648668	650000	651332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1		20.00	20.00	20.01	22.5	
Channel				648334	650000	651666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1		20.03	19.99	19.99	22.5	
Channel				648000	650000	652000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1		19.99	20.03	20.01	22.5	
Channel				647668	650000	652332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98			
30	PI/2 BPSK	1	1		20.02	20.01	20.01	22.5	
Channel				647334	650000	652666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	PI/2 BPSK	1	1		20.80	20.78	20.82	22.5	
Channel				647168	650000	652832	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1		19.96	19.86	19.93	22.5	
Channel				647000	650000	653000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1		20.00	19.88	19.92	22.5	

Par27Q n78_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		15.66				
100	PI/2 BPSK	1	137		15.72		16.8	0.0	
100	PI/2 BPSK	1	271		15.67				
100	PI/2 BPSK	135	0		15.61		16.8	0.0	
100	PI/2 BPSK	135	69		15.67		16.8	0.0	
100	PI/2 BPSK	135	138		15.65		16.8	0.0	
100	PI/2 BPSK	270	0		15.61		16.8	0.0	
100	QPSK	1	1		15.66				
100	QPSK	1	137		15.66		16.8	0.0	
100	QPSK	1	271		15.63				
100	QPSK	135	0		15.60		16.8	0.0	
100	QPSK	135	69		15.65				
100	QPSK	135	138		15.63				
100	QPSK	270	0		15.62		16.8	0.0	
100	16QAM	1	1		15.66		16.8	0.0	
100	64QAM	1	1		15.70		16.8	0.0	
100	256QAM	1	1		15.63		16.8	0.0	
Channel				633000	633334	633666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1				16.8	0.0	
Channel				632668	633334	634000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	PI/2 BPSK	1	1				16.8	0.0	
Channel				632000	633334	634666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1				16.8	0.0	
Channel				631668	633334	635000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1				16.8	0.0	
Channel				631334	633334	635332	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1				16.8	0.0	
Channel				631000	633334	635666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1				16.8	0.0	
Channel				630668	633334	636000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1				16.8	0.0	
Channel				630500	636666	642832	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48			
15	PI/2 BPSK	1	1				16.8	0.0	
Channel				630334	636666	643000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645			
10	PI/2 BPSK	1	1				16.8	0.0	

Part27O n78_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		15.05				
100	PI/2 BPSK	1	137		15.13		16.8	0.0	
100	PI/2 BPSK	1	271		15.04				
100	PI/2 BPSK	135	0		15.04		16.8	0.0	
100	PI/2 BPSK	135	69		15.09		16.8	0.0	
100	PI/2 BPSK	135	138		15.04		16.8	0.0	
100	PI/2 BPSK	270	0		15.06		16.8	0.0	
100	QPSK	1	1		15.04				
100	QPSK	1	137		15.08		16.8	0.0	
100	QPSK	1	271		15.06				
100	QPSK	135	0		15.04		16.8	0.0	
100	QPSK	135	69		15.00				
100	QPSK	135	138		15.00				
100	QPSK	270	0		15.07		16.8	0.0	
100	16QAM	1	1		15.12		16.8	0.0	
100	64QAM	1	1		15.07		16.8	0.0	
100	256QAM	1	1		15.08		16.8	0.0	
Channel				649668	650000	650332	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1		15.47	15.61	15.53	16.8	
Channel				649334	650000	650666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1		15.43	15.60	15.56	16.8	
Channel				648668	650000	651332	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1		15.50	15.61	15.57	16.8	
Channel				648334	650000	651666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1		15.50	15.59	15.60	16.8	
Channel				648000	650000	652000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1		15.44	15.59	15.59	16.8	
Channel				647668	650000	652332	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98			
30	PI/2 BPSK	1	1		15.50	15.59	15.57	16.8	
Channel				647334	650000	652666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	PI/2 BPSK	1	1		15.48	15.63	15.57	16.8	
Channel				647168	650000	652832	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1		15.50	15.62	15.59	16.8	
Channel				647000	650000	653000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1		15.50	15.62	15.60	16.8	



Reduced Power for DSI 8/10

n2_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000	19.5	0.0	
Frequency (MHz)				1860	1880	1900			
20	PI/2 BPSK	1	1	18.49	18.51	18.44	19.5	0.0	
20	PI/2 BPSK	1	53	18.52	18.61	18.57			
20	PI/2 BPSK	1	104	18.19	18.27	18.21			
20	PI/2 BPSK	50	0	18.50	18.57	18.43			
20	PI/2 BPSK	50	28	18.51	18.59	18.52	19.5	0.0	
20	PI/2 BPSK	50	56	18.39	18.41	18.29	19.5	0.0	
20	PI/2 BPSK	100	0	18.49	18.55	18.42	19.5	0.0	
20	QPSK	1	1	18.42	18.53	18.39			
20	QPSK	1	53	18.51	18.52	18.44			
20	QPSK	1	104	18.26	18.27	18.15			
20	QPSK	50	0	18.55	18.60	18.57	19.5	0.0	
20	QPSK	50	28	18.55	18.57	18.46	19.5	0.0	
20	QPSK	50	56	18.46	18.46	18.33	19.5	0.0	
20	QPSK	100	0	18.47	18.51	18.39			
20	16QAM	1	1	18.17	18.30	18.19		0.0	
20	64QAM	1	1	18.29	18.34	18.27		0.0	
20	256QAM	1	1	18.42	18.55	18.46	19.5	0.0	
Channel				371500	376000	380500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	19.5	0.0	
15	PI/2 BPSK	1	1	18.40	18.50	18.36	19.5	0.0	
Channel				371000	376000	381000			
Frequency (MHz)				1855	1880	1905	1 tune-up limit (dBm)	MPR (dB)	
10	PI/2 BPSK	1	1	18.42	18.48	18.43	19.5	0.0	
Channel				370500	376000	381500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	19.5	0.0	
5	PI/2 BPSK	1	1	18.36	18.37	18.35	19.5	0.0	

n2_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000	19.6	0.0	
Frequency (MHz)				1860	1880	1900			
20	PI/2 BPSK	1	1	17.75	17.86	17.62	19.6	0.0	
20	PI/2 BPSK	1	53	18.02	18.04	17.94			
20	PI/2 BPSK	1	104	17.53	17.63	17.61			
20	PI/2 BPSK	50	0	17.81	17.93	17.88			
20	PI/2 BPSK	50	28	17.93	18.01	17.91	19.6	0.0	
20	PI/2 BPSK	50	56	17.84	17.86	17.82	19.6	0.0	
20	PI/2 BPSK	100	0	17.81	17.95	17.84			
20	QPSK	1	1	17.81	17.91	17.76			
20	QPSK	1	53	17.93	18.00	17.90			
20	QPSK	1	104	17.53	17.65	17.65	19.6	0.0	
20	QPSK	50	0	17.89	17.95	17.89			
20	QPSK	50	28	17.93	17.97	17.87			
20	QPSK	50	56	17.83	17.88	17.79			
20	QPSK	100	0	17.86	17.95	17.95	19.6	0.0	
20	16QAM	1	1	17.53	17.68	17.57			
20	64QAM	1	1	17.61	17.74	17.63			
20	256QAM	1	1	17.81	17.83	17.72		0.5	
Channel				371500	376000	380500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	19.6	0.0	
15	PI/2 BPSK	1	1	17.72	17.78	17.51	19.6	0.0	
Channel				371000	376000	381000			
Frequency (MHz)				1855	1880	1905	1 tune-up limit (dBm)	MPR (dB)	
10	PI/2 BPSK	1	1	17.64	17.72	17.58	19.6	0.0	
Channel				370500	376000	381500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	19.6	0.0	
5	PI/2 BPSK	1	1	17.62	17.71	17.53	19.6	0.0	



Reduced Power for DSI 8/10

n7_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				V	507000	512000	19.5	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	18.46	18.47	18.45			
20	PI/2 BPSK	1	53	18.58	18.60	18.56			
20	PI/2 BPSK	1	104	18.41	18.49	18.49	19.5	0.0	
20	PI/2 BPSK	50	0	18.47	18.56	18.47			
20	PI/2 BPSK	50	28	18.49	18.57	18.50			
20	PI/2 BPSK	50	56	18.40	18.51	18.48			
20	PI/2 BPSK	100	0	18.49	18.55	18.49	19.5	0.0	
20	QPSK	1	1	18.42	18.44	18.32			
20	QPSK	1	53	18.46	18.52	18.39			
20	QPSK	1	104	18.44	18.44	18.33			
20	QPSK	50	0	18.46	18.54	18.47	19.5	0.0	
20	QPSK	50	28	18.45	18.55	18.52	19.5	0.0	
20	QPSK	50	56	18.37	18.47	18.35	19.5	0.0	
20	QPSK	100	0	18.51	18.57	18.50			
20	16QAM	1	1	18.11	18.23	18.10			
20	64QAM	1	1	18.23	18.28	18.28			
20	256QAM	1	1	18.47	18.52	18.43	19.5	0.0	
Channel				501500	507000	512500	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	19.5	0.0	
15	PI/2 BPSK	1	1	18.43	18.37	18.41	19.5	0.0	
Channel				501000	507000	513000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	19.5	0.0	
10	PI/2 BPSK	1	1	18.36	18.39	18.43	19.5	0.0	
Channel				500500	507000	513500	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	19.5	0.0	
5	PI/2 BPSK	1	1	18.44	18.39	18.44	19.5	0.0	

n7_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	17.3	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	15.28	15.42	15.33			
20	PI/2 BPSK	1	53	15.52	15.53	15.51			
20	PI/2 BPSK	1	104	15.28	15.42	15.42	17.3	0.0	
20	PI/2 BPSK	50	0	15.44	15.49	15.39			
20	PI/2 BPSK	50	28	15.47	15.50	15.49			
20	PI/2 BPSK	50	56	15.38	15.46	15.42			
20	PI/2 BPSK	100	0	15.33	15.46	15.45	17.3	0.0	
20	QPSK	1	1	15.35	15.43	15.43			
20	QPSK	1	53	15.30	15.44	15.34			
20	QPSK	1	104	15.39	15.39	15.30			
20	QPSK	50	0	15.36	15.43	15.29	17.3	0.0	
20	QPSK	50	28	15.37	15.47	15.32	17.3	0.0	
20	QPSK	50	56	15.44	15.51	15.47	17.3	0.0	
20	QPSK	100	0	15.42	15.51	15.38			
20	16QAM	1	1	15.11	15.21	15.07			
20	64QAM	1	1	15.28	15.31	15.19			
20	256QAM	1	1	15.37	15.49	15.48	17.3	0.0	
Channel				501500	507000	512500	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	17.3	0.0	
15	PI/2 BPSK	1	1	15.16	15.41	15.19	17.3	0.0	
Channel				501000	507000	513000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	17.3	0.0	
10	PI/2 BPSK	1	1	15.14	15.29	15.22	17.3	0.0	
Channel				500500	507000	513500	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	17.3	0.0	
5	PI/2 BPSK	1	1	15.16	15.27	15.27	17.3	0.0	

n66_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000	20.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	18.64	18.70	18.69			
40	PI/2 BPSK	1	108	19.06	19.13	19.00			
40	PI/2 BPSK	1	214	18.71	18.76	18.70	20.0	0.0	
40	PI/2 BPSK	108	0	18.90	19.04	19.02			
40	PI/2 BPSK	108	54	18.96	19.10	19.08			
40	PI/2 BPSK	108	108	18.77	18.89	18.79			
40	PI/2 BPSK	216	0	18.89	18.96	18.89	20.0	0.0	
40	QPSK	1	1	18.54	18.68	18.62			
40	QPSK	1	108	19.02	19.05	18.96			
40	QPSK	1	214	18.76	18.78	18.71			
40	QPSK	108	0	18.90	19.01	18.98	20.0	0.0	
40	QPSK	108	54	19.11	19.12	18.98			
40	QPSK	108	108	18.79	18.85	18.71			
40	QPSK	216	0	18.80	18.90	18.78			
40	16QAM	1	1	18.46	18.55	18.43	20.0	0.0	
40	64QAM	1	1	18.58	18.62	18.57			
40	256QAM	1	1	18.53	18.58	18.54			
Channel				345000	349000	353000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	20.0	0.0	
30	PI/2 BPSK	1	1	18.59	18.63	18.61			
Channel				344500	349000	353500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	20.0	0.0	
25	PI/2 BPSK	1	1	18.55	18.63	18.61			
Channel				344000	349000	354000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	20.0	0.0	
20	PI/2 BPSK	1	1	18.60	18.65	18.66			
Channel				343500	349000	354500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	20.0	0.0	
15	PI/2 BPSK	1	1	18.60	18.66	18.68			
Channel				343000	349000	355000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	20.0	0.0	
10	PI/2 BPSK	1	1	18.56	18.64	18.63			
Channel				342500	349000	355500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	20.0	0.0	
5	PI/2 BPSK	1	1	18.60	18.67	18.60			

n66_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	349000	353000	20.1	0.0	
Frequency (MHz)				1725	1745	1765			
40	PI/2 BPSK	1	1	18.27	18.41	18.39			
40	PI/2 BPSK	1	108	18.71	18.84	18.83			
40	PI/2 BPSK	1	214	18.23	18.38	18.36	20.1	0.0	
40	PI/2 BPSK	108	0	18.61	18.65	18.64			
40	PI/2 BPSK	108	54	18.65	18.72	18.68			
40	PI/2 BPSK	108	108	18.49	18.50	18.36			
40	PI/2 BPSK	216	0	18.61	18.62	18.57	20.1	0.0	
40	QPSK	1	1	18.23	18.37	18.37			
40	QPSK	1	108	18.58	18.72	18.67			
40	QPSK	1	214	18.30	18.32	18.23			
40	QPSK	108	0	18.45	18.58	18.48	20.1	0.0	
40	QPSK	108	54	18.56	18.68	18.57			
40	QPSK	108	108	18.42	18.46	18.44			
40	QPSK	216	0	18.42	18.54	18.54			
40	16QAM	1	1	18.14	18.16	18.15	20.1	0.0	
40	64QAM	1	1	18.15	18.17	18.07			
40	256QAM	1	1	17.70	17.76	17.67			
Channel				345000	349000	353000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	20.1	0.0	
30	PI/2 BPSK	1	1	18.20	18.33	18.32			
Channel				344500	349000	353500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	20.1	0.0	
25	PI/2 BPSK	1	1	18.21	18.36	18.38			
Channel				344000	349000	354000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	20.1	0.0	
20	PI/2 BPSK	1	1	18.20	18.38	18.36			
Channel				343500	349000	354500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	20.1	0.0	
15	PI/2 BPSK	1	1	18.21	18.35	18.38			
Channel				343000	349000	355000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	20.1	0.0	
10	PI/2 BPSK	1	1	18.21	18.33	18.33			
Channel				342500	349000	355500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	20.1	0.0	
5	PI/2 BPSK	1	1	18.23	18.34	18.37			

Par27Q n77_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	3500.01				
Frequency (MHz)					16.37				
100	PI/2 BPSK	1	1						
100	PI/2 BPSK	1	137		16.43		17.5	0.0	
100	PI/2 BPSK	1	271		16.40				
100	PI/2 BPSK	135	0		16.32		17.5	0.0	
100	PI/2 BPSK	135	69		16.35		17.5	0.0	
100	PI/2 BPSK	135	138		16.27		17.5	0.0	
100	PI/2 BPSK	270	0		16.32				
100	QPSK	1	1		16.34				
100	QPSK	1	137		16.42		17.5	0.0	
100	QPSK	1	271		16.38				
100	QPSK	135	0		16.39				
100	QPSK	135	69		16.39		17.5	0.0	
100	QPSK	135	138		16.35				
100	QPSK	270	0		16.34		17.5	0.0	
100	16QAM	1	1		16.36		17.5	0.0	
100	64QAM	1	1		16.40		17.5	0.0	
100	256QAM	1	1		16.35		17.5	0.0	
Channel				633000	633332	633666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99	17.5	0.0	
90	PI/2 BPSK	1	1		16.18	16.35	16.25	17.5	
Channel				632668	633332	634000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3499.98	3510	17.5	0.0	
80	PI/2 BPSK	1	1		16.14	16.30	16.22	17.5	
Channel				648668	650000	651332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98	17.5	0.0	
60	PI/2 BPSK	1	1		16.15	16.29	16.23	17.5	
Channel				631668	633332	635000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525	17.5	0.0	
50	PI/2 BPSK	1	1		16.13	16.29	16.25	17.5	
Channel				631334	633332	635332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98	17.5	0.0	
40	PI/2 BPSK	1	1		16.19	16.32	16.22	17.5	
Channel				630668	633332	636000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540.00	17.5	0.0	
20	PI/2 BPSK	1	1		16.13	16.32	16.22	17.5	
Channel				630500	633332	636166	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3499.98	3542.49	17.5	0.0	
15	PI/2 BPSK	1	1		16.17	16.32	16.21	17.5	
Channel				630334	633332	636332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3499.98	3544.98	17.5	0.0	
10	PI/2 BPSK	1	1		16.12	16.31	16.26	17.5	

Par27O n77_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1		16.09	16.18	16.12		
100	PI/2 BPSK	1	137		16.18	16.23	16.14	17.5	
100	PI/2 BPSK	1	271		16.02	16.15	16.06		
100	PI/2 BPSK	135	0		16.12	16.19	16.07	17.5	
100	PI/2 BPSK	135	69		16.19	16.22	16.15	17.5	
100	PI/2 BPSK	135	138		16.09	16.18	16.06	17.5	
100	PI/2 BPSK	270	0		16.04	16.15	16.10		
100	QPSK	1	1		16.04	16.17	16.10		
100	QPSK	1	137		16.00	16.13	16.03	17.5	
100	QPSK	1	271		16.12	16.15	16.03		
100	QPSK	135	0		16.17	16.18	16.17		
100	QPSK	135	69		16.14	16.18	16.16	17.5	
100	QPSK	135	138		16.09	16.21	16.11		
100	QPSK	270	0		16.15	16.19	16.09	17.5	
100	16QAM	1	1		16.03	16.14	15.99	17.5	
100	64QAM	1	1		16.08	16.19	16.15	17.5	
100	256QAM	1	1		16.01	16.16	16.08	17.5	
Channel				649668	650000	650332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	17.5	0.0	
90	PI/2 BPSK	1	1		16.06	16.14	16.06	17.5	
Channel				649334	650000	650666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	17.5	0.0	
80	PI/2 BPSK	1	1		16.03	16.13	16.11	17.5	
Channel				648668	650000	651332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	17.5	0.0	
60	PI/2 BPSK	1	1		16.07	16.15	16.11	17.5	
Channel				648334	650000	651666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	17.5	0.0	
50	PI/2 BPSK	1	1		16.05	16.13	16.04	17.5	
Channel				648000	650000	652000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	17.5	0.0	
40	PI/2 BPSK	1	1		16.08	16.09	16.08	17.5	
Channel				647334	650000	652666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750.00	3789.99	17.5	0.0	
20	PI/2 BPSK	1	1		16.04	16.16	16.05	17.5	
Channel				647168	650000	652832	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	17.5	0.0	
15	PI/2 BPSK	1	1		16.06	16.15	16.09	17.5	
Channel				647000	650000	653000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	17.5	0.0	
10	PI/2 BPSK	1	1		16.02	16.11	16.07	17.5	



Par27Q n77_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334				
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		17.78				
100	PI/2 BPSK	1	137		17.82		19.5	0.0	
100	PI/2 BPSK	1	271		17.80				
100	PI/2 BPSK	135	0		17.74		19.5	0.0	
100	PI/2 BPSK	135	69		17.75		19.5	0.0	
100	PI/2 BPSK	135	138		17.66		19.5	0.0	
100	PI/2 BPSK	270	0		17.67				
100	QPSK	1	1		17.69				
100	QPSK	1	137		17.69		19.5	0.0	
100	QPSK	1	271		17.69				
100	QPSK	135	0		17.69				
100	QPSK	135	69		17.70		19.5	0.0	
100	QPSK	135	138		17.73				
100	QPSK	270	0		17.73		19.5	0.0	
100	16QAM	1	1		17.73		19.5	0.0	
100	64QAM	1	1		17.24		19.0	0.5	
100	256QAM	1	1		15.21		17.0	2.5	
Channel				633000	633332	633666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99	19.5	0.0	
90	PI/2 BPSK	1	1		17.78	17.79	17.79	19.5	
Channel				632668	633332	634000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3499.98	3510	19.5	0.0	
80	PI/2 BPSK	1	1		17.78	17.79	17.75	19.5	
Channel				648668	656000	663332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98	19.5	0.0	
60	PI/2 BPSK	1	1		17.78	17.80	17.75	19.5	
Channel				631668	633332	635000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525	19.5	0.0	
50	PI/2 BPSK	1	1		17.76	17.77	17.76	19.5	
Channel				631334	633332	635332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98	19.5	0.0	
40	PI/2 BPSK	1	1		17.81	17.81	17.77	19.5	
Channel				630668	633332	636000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540.00	19.5	0.0	
20	PI/2 BPSK	1	1		17.78	17.74	17.75	19.5	
Channel				630500	633332	636166	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3499.98	3542.49	19.5	0.0	
15	PI/2 BPSK	1	1		17.76	17.77	17.77	19.5	
Channel				630334	633332	636332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3499.98	3544.98	19.5	0.0	
10	PI/2 BPSK	1	1		17.76	17.81	17.80	19.5	

Par27O n77_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		18.33	18.34	18.34		
100	PI/2 BPSK	1	137		18.42	18.43	18.41	19.5	
100	PI/2 BPSK	1	271		18.41	18.40	18.38		
100	PI/2 BPSK	135	0		18.33	18.34	18.37	19.5	
100	PI/2 BPSK	135	69		18.39	18.41	18.39	19.5	
100	PI/2 BPSK	135	138		18.40	18.40	18.35	19.5	
100	PI/2 BPSK	270	0		18.34	18.35	18.32		
100	QPSK	1	1		18.34	18.40	18.37		
100	QPSK	1	137		18.37	18.39	18.34	19.5	
100	QPSK	1	271		18.34	18.41	18.36		
100	QPSK	135	0		18.40	18.34	18.32		
100	QPSK	135	69		18.37	18.36	18.36	19.5	
100	QPSK	135	138		18.36	18.34	18.36		
100	QPSK	270	0		18.40	18.36	18.32	19.5	
100	16QAM	1	1		18.41	18.34	18.37	19.5	
100	64QAM	1	1		18.35	18.34	18.38	19.5	
100	256QAM	1	1		18.36	18.34	18.39	19.5	
Channel				649668	650000	650332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	19.5	0.0	
90	PI/2 BPSK	1	1		18.39	18.39	18.41	19.5	
Channel				649334	650000	650666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	19.5	0.0	
80	PI/2 BPSK	1	1		18.34	18.38	18.40	19.5	
Channel				648668	650000	651332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	19.5	0.0	
60	PI/2 BPSK	1	1		18.35	18.38	18.35	19.5	
Channel				648334	650000	651666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	19.5	0.0	
50	PI/2 BPSK	1	1		18.37	18.37	18.42	19.5	
Channel				648000	650000	652000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	19.5	0.0	
40	PI/2 BPSK	1	1		18.34	18.35	18.40	19.5	
Channel				647334	650000	652666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750.00	3789.99	19.5	0.0	
20	PI/2 BPSK	1	1		18.40	18.34	18.41	19.5	
Channel				647168	650000	652832	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	19.5	0.0	
15	PI/2 BPSK	1	1		18.37	18.34	18.35	19.5	
Channel				647000	650000	653000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	19.5	0.0	
10	PI/2 BPSK	1	1		18.38	18.36	18.38	19.5	

Par27Q n77_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		18.92				
100	PI/2 BPSK	1	137		18.94		20.5	0.0	
100	PI/2 BPSK	1	271		18.89				
100	PI/2 BPSK	135	0		18.83		20.5	0.0	
100	PI/2 BPSK	135	69		18.91		20.5	0.0	
100	PI/2 BPSK	135	138		18.89		20.5	0.0	
100	PI/2 BPSK	270	0		18.84				
100	QPSK	1	1		18.88				
100	QPSK	1	137		18.86		20.5	0.0	
100	QPSK	1	271		18.86				
100	QPSK	135	0		18.82				
100	QPSK	135	69		18.82		20.5	0.0	
100	QPSK	135	138		18.86				
100	QPSK	270	0		18.90		20.5	0.0	
100	16QAM	1	1		18.82		20.5	0.0	
100	64QAM	1	1		18.45		20.0	0.5	
100	256QAM	1	1		15.40		18.0	2.5	
Channel				633000	633332	633666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	PI/2 BPSK	1	1		18.77	18.91	18.84	20.5	
Channel				632668	633332	634000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3499.98	3510			
80	PI/2 BPSK	1	1		18.72	18.88	18.77	20.5	
Channel				648668	650000	663332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	PI/2 BPSK	1	1		18.72	18.90	18.84	20.5	
Channel				631668	633332	635000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	PI/2 BPSK	1	1		18.78	18.88	18.84	20.5	
Channel				631334	633332	635332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	PI/2 BPSK	1	1		18.78	18.88	18.84	20.5	
Channel				630668	633332	636000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540.00			
20	PI/2 BPSK	1	1		18.74	18.88	18.78	20.5	
Channel				630500	633332	636166	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3499.98	3542.49			
15	PI/2 BPSK	1	1		18.72	18.89	18.81	20.5	
Channel				630334	633332	636332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3499.98	3544.98			
10	PI/2 BPSK	1	1		18.72	18.83	18.78	20.5	

Par27O n77_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)					3750	3840	3930		
100	PI/2 BPSK	1	1		18.74	18.87	18.74		
100	PI/2 BPSK	1	137		18.94	18.95	18.85	20.5	
100	PI/2 BPSK	1	271		18.80	18.87	18.82		
100	PI/2 BPSK	135	0		18.83	18.89	18.80	20.5	
100	PI/2 BPSK	135	69		18.89	18.93	18.91	20.5	
100	PI/2 BPSK	135	138		18.86	18.90	18.86	20.5	
100	PI/2 BPSK	270	0		18.74	18.85	18.72		
100	QPSK	1	1		18.82	18.85	18.82		
100	QPSK	1	137		18.83	18.89	18.76	20.5	
100	QPSK	1	271		18.82	18.87	18.79		
100	QPSK	135	0		18.80	18.88	18.85		
100	QPSK	135	69		18.87	18.90	18.79	20.5	
100	QPSK	135	138		18.83	18.86	18.81		
100	QPSK	270	0		18.80	18.85	18.82	20.5	
100	16QAM	1	1		18.76	18.85	18.83	20.5	
100	64QAM	1	1		18.25	18.36	18.33	20.0	
100	256QAM	1	1		15.39	15.42	15.51	18.0	
Channel				649668	650000	650332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1		18.66	18.79	18.69	20.5	
Channel				649334	650000	650666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1		18.71	18.79	18.70	20.5	
Channel				648668	650000	651332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1		18.70	18.86	18.71	20.5	
Channel				648334	650000	651666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1		18.68	18.84	18.73	20.5	
Channel				648000	650000	652000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1		18.73	18.86	18.67	20.5	
Channel				647334	650000	652666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750.00	3789.99			
20	PI/2 BPSK	1	1		18.65	18.81	18.67	20.5	
Channel				647168	650000	652832	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1		18.70	18.85	18.70	20.5	
Channel				647000	650000	653000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1		18.66	18.78	18.66	20.5	

Par27Q n77_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		13.73				
100	PI/2 BPSK	1	137		13.74		15.0	0.0	
100	PI/2 BPSK	1	271		13.73				
100	PI/2 BPSK	135	0		13.68		15.0	0.0	
100	PI/2 BPSK	135	69		13.73		15.0	0.0	
100	PI/2 BPSK	135	138		13.72		15.0	0.0	
100	PI/2 BPSK	270	0		13.68				
100	QPSK	1	1		13.67				
100	QPSK	1	137		13.68		15.0	0.0	
100	QPSK	1	271		13.65				
100	QPSK	135	0		13.65				
100	QPSK	135	69		13.64		15.0	0.0	
100	QPSK	135	138		13.72				
100	QPSK	270	0		13.64		15.0	0.0	
100	16QAM	1	1		13.69		15.0	0.0	
100	64QAM	1	1		13.72		15.0	0.0	
100	256QAM	1	1		13.66		15.0	0.0	
Channel				633000	633332	633666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99	15.0	0.0	
90	PI/2 BPSK	1	1		13.56	13.66	13.53	15.0	
Channel				632668	633332	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3499.98	3510	15.0	0.0	
80	PI/2 BPSK	1	1		13.47	13.59	13.51	15.0	
Channel				648668	656000	663332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98	15.0	0.0	
60	PI/2 BPSK	1	1		13.55	13.57	13.52	15.0	
Channel				631668	633332	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525	15.0	0.0	
50	PI/2 BPSK	1	1		13.47	13.60	13.44	15.0	
Channel				631334	633332	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98	15.0	0.0	
40	PI/2 BPSK	1	1		13.55	13.65	13.48	15.0	
Channel				630668	633332	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540.00	15.0	0.0	
20	PI/2 BPSK	1	1		13.49	13.64	13.52	15.0	
Channel				630500	633332	636166	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3499.98	3542.49	15.0	0.0	
15	PI/2 BPSK	1	1		13.53	13.59	13.46	15.0	
Channel				630334	633332	636332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3499.98	3544.98	15.0	0.0	
10	PI/2 BPSK	1	1		13.53	13.65	13.44	15.0	

Par27O n77_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)					3750	3840	3930		
100	PI/2 BPSK	1	1		13.68	13.66	13.67		
100	PI/2 BPSK	1	137		13.68	13.74	13.71	15.0	
100	PI/2 BPSK	1	271		13.66	13.72	13.69		
100	PI/2 BPSK	135	0		13.60	13.66	13.63	15.0	
100	PI/2 BPSK	135	69		13.67	13.69	13.67	15.0	
100	PI/2 BPSK	135	138		13.66	13.62	13.61	15.0	
100	PI/2 BPSK	270	0		13.62	13.68	13.58	15.0	
100	QPSK	1	1		13.69	13.69	13.66		
100	QPSK	1	137		13.65	13.67	13.58	15.0	
100	QPSK	1	271		13.58	13.67	13.60		
100	QPSK	135	0		13.61	13.60	13.66		
100	QPSK	135	69		13.64	13.62	13.63	15.0	
100	QPSK	135	138		13.58	13.66	13.60		
100	QPSK	270	0		13.66	13.60	13.65	15.0	
100	16QAM	1	1		13.71	13.65	13.66	15.0	
100	64QAM	1	1		13.67	13.72	13.70	14.5	
100	256QAM	1	1		13.71	13.71	13.68	12.5	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	15.0	0.0	
90	PI/2 BPSK	1	1		13.65	13.59	13.63	15.0	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	15.0	0.0	
80	PI/2 BPSK	1	1		13.60	13.60	13.64	15.0	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	15.0	0.0	
60	PI/2 BPSK	1	1		13.61	13.64	13.61	15.0	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	15.0	0.0	
50	PI/2 BPSK	1	1		13.66	13.57	13.66	15.0	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	15.0	0.0	
40	PI/2 BPSK	1	1		13.62	13.58	13.58	15.0	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750.00	3789.99	15.0	0.0	
20	PI/2 BPSK	1	1		13.64	13.58	13.66	15.0	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	15.0	0.0	
15	PI/2 BPSK	1	1		13.62	13.59	13.65	15.0	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	15.0	0.0	
10	PI/2 BPSK	1	1		13.64	13.59	13.66	15.0	

Par27Q n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668	17.3	0.0	
Frequency (MHz)				3495	3500.01	3504.99			
100	PI/2 BPSK	1	1	16.41			17.3	0.0	
100	PI/2 BPSK	1	137	16.42					
100	PI/2 BPSK	1	271	16.40					
100	PI/2 BPSK	135	0	16.35					
100	PI/2 BPSK	135	69	16.38			17.3	0.0	
100	PI/2 BPSK	135	138	16.35					
100	PI/2 BPSK	270	0	16.34					
100	QPSK	1	1	16.36					
100	QPSK	1	137	16.31			17.3	0.0	
100	QPSK	1	271	16.36					
100	QPSK	135	0	16.37					
100	QPSK	135	69	16.34					
100	QPSK	135	138	16.36			17.3	0.0	
100	QPSK	270	0	16.33					
100	16QAM	1	1	16.41					
100	64QAM	1	1	16.33					
100	256QAM	1	1	16.41			17.3	0.0	
Channel				633000	633334	633668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	17.3	0.0	
90	PI/2 BPSK	1	1	16.23	16.40	16.15	17.3	0.0	
Channel				632668	633334	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510	17.3	0.0	
80	PI/2 BPSK	1	1	16.28	16.34	16.15	17.3	0.0	
Channel				632000	633334	634668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	17.3	0.0	
60	PI/2 BPSK	1	1	16.25	16.40	16.14	17.3	0.0	
Channel				631668	633334	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	17.3	0.0	
50	PI/2 BPSK	1	1	16.30	16.40	16.14	17.3	0.0	
Channel				631334	633334	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	17.3	0.0	
40	PI/2 BPSK	1	1	16.23	16.37	16.18	17.3	0.0	
Channel				631000	633334	635668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99	17.3	0.0	
30	PI/2 BPSK	1	1	16.22	16.37	16.16	17.3	0.0	
Channel				630668	633334	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	17.3	0.0	
20	PI/2 BPSK	1	1	16.22	16.36	16.20	17.3	0.0	
Channel				630500	636668	642832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48	17.3	0.0	
15	PI/2 BPSK	1	1	16.29	16.34	16.21	17.3	0.0	
Channel				630334	636668	643000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645	17.3	0.0	
10	PI/2 BPSK	1	1	16.30	16.40	16.16	17.3	0.0	

Part27O n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				649668	650000	650332	17.3	0.0	
Frequency (MHz)				3745.02	3750	3754.98			
100	PI/2 BPSK	1	1	16.06			17.3	0.0	
100	PI/2 BPSK	1	137	16.12					
100	PI/2 BPSK	1	271	16.10					
100	PI/2 BPSK	135	0	16.03					
100	PI/2 BPSK	135	69	16.07			17.3	0.0	
100	PI/2 BPSK	135	138	16.05					
100	PI/2 BPSK	270	0	16.06					
100	QPSK	1	1	16.07					
100	QPSK	1	137	16.01			17.3	0.0	
100	QPSK	1	271	16.04					
100	QPSK	135	0	16.00					
100	QPSK	135	69	16.02					
100	QPSK	135	138	16.00			17.3	0.0	
100	QPSK	270	0	16.04					
100	16QAM	1	1	16.09					
100	64QAM	1	1	16.04					
100	256QAM	1	1	16.09			17.3	0.0	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	17.3	0.0	
90	PI/2 BPSK	1	1	15.92	16.01	15.95	17.3	0.0	
Channel				649334	650000	650668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	17.3	0.0	
80	PI/2 BPSK	1	1	15.90	16.02	15.99	17.3	0.0	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	17.3	0.0	
60	PI/2 BPSK	1	1	15.86	15.97	15.97	17.3	0.0	
Channel				648334	650000	651668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	17.3	0.0	
50	PI/2 BPSK	1	1	15.87	16.04	15.92	17.3	0.0	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	17.3	0.0	
40	PI/2 BPSK	1	1	15.91	16.03	15.93	17.3	0.0	
Channel				647668	650000	652332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98	17.3	0.0	
30	PI/2 BPSK	1	1	15.86	16.00	15.94	17.3	0.0	
Channel				647334	650000	652668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	17.3	0.0	
20	PI/2 BPSK	1	1	15.88	16.03	15.97	17.3	0.0	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	17.3	0.0	
15	PI/2 BPSK	1	1	15.88	16.03	15.94	17.3	0.0	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	17.3	0.0	
10	PI/2 BPSK	1	1	15.91	16.05	15.92	17.3	0.0	

Par27Q n78_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	3500.01				
Frequency (MHz)					17.92				
100	PI/2 BPSK	1	1		17.92				
100	PI/2 BPSK	1	137		18.40		19.5	0.0	
100	PI/2 BPSK	1	271		17.52				
100	PI/2 BPSK	135	0		18.33		19.5	0.0	
100	PI/2 BPSK	135	69		18.39		19.5	0.0	
100	PI/2 BPSK	135	138		18.12		19.5	0.0	
100	PI/2 BPSK	270	0		18.25				
100	QPSK	1	1		17.91				
100	QPSK	1	137		18.36		19.5	0.0	
100	QPSK	1	271		17.54				
100	QPSK	135	0		18.25				
100	QPSK	135	69		18.33		19.5	0.0	
100	QPSK	135	138		18.18				
100	QPSK	270	0		18.13		19.5	0.0	
100	16QAM	1	1		17.66		19.5	0.0	
100	64QAM	1	1		17.29		19.5	0.5	
100	256QAM	1	1		15.73		19.5	2.5	
Channel				633000	633334	633666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	19.5	0.0	
90	PI/2 BPSK	1	1		17.89	17.91	17.83	19.5	
Channel				632668	633334	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510	19.5	0.0	
80	PI/2 BPSK	1	1		17.81	17.89	17.80	19.5	
Channel				632000	633334	634666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	19.5	0.0	
60	PI/2 BPSK	1	1		17.75	17.83	17.88	19.5	
Channel				631668	633334	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	19.5	0.0	
50	PI/2 BPSK	1	1		17.78	17.82	17.78	19.5	
Channel				631334	633334	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	19.5	0.0	
40	PI/2 BPSK	1	1		17.77	17.74	17.79	19.5	
Channel				631000	633334	635666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99	19.5	0.0	
30	PI/2 BPSK	1	1		17.82	17.80	17.73	19.5	
Channel				630668	633334	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	19.5	0.0	
20	PI/2 BPSK	1	1		17.78	17.74	17.90	19.5	
Channel				630500	636666	642832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48	19.5	0.0	
15	PI/2 BPSK	1	1		17.73	17.87	17.78	19.5	
Channel				630334	636666	643000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645	19.5	0.0	
10	PI/2 BPSK	1	1		17.78	17.85	17.77	19.5	

Par27O n78_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		17.71				
100	PI/2 BPSK	1	137		18.38		19.5	0.0	
100	PI/2 BPSK	1	271		17.89				
100	PI/2 BPSK	135	0		18.25		19.5	0.0	
100	PI/2 BPSK	135	69		18.36		19.5	0.0	
100	PI/2 BPSK	135	138		18.32		19.5	0.0	
100	PI/2 BPSK	270	0		18.20				
100	QPSK	1	1		17.70				
100	QPSK	1	137		18.35		19.5	0.0	
100	QPSK	1	271		17.83				
100	QPSK	135	0		18.26				
100	QPSK	135	69		18.31		19.5	0.0	
100	QPSK	135	138		18.22				
100	QPSK	270	0		18.26		19.5	0.0	
100	16QAM	1	1		17.45		19.5	0.0	
100	64QAM	1	1		16.99		19.5	0.5	
100	256QAM	1	1		15.56		19.5	2.5	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	19.5	0.0	
90	PI/2 BPSK	1	1		17.64	17.61	17.58	19.5	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	19.5	0.0	
80	PI/2 BPSK	1	1		17.69	17.59	17.67	19.5	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3768.98	19.5	0.0	
60	PI/2 BPSK	1	1		17.63	17.62	17.65	19.5	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	19.5	0.0	
50	PI/2 BPSK	1	1		17.56	17.62	17.59	19.5	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	19.5	0.0	
40	PI/2 BPSK	1	1		17.60	17.61	17.61	19.5	
Channel				647668	650000	652332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98	19.5	0.0	
30	PI/2 BPSK	1	1		17.53	17.69	17.58	19.5	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	19.5	0.0	
20	PI/2 BPSK	1	1		17.57	17.63	17.53	19.5	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	19.5	0.0	
15	PI/2 BPSK	1	1		17.55	17.67	17.69	19.5	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	19.5	0.0	
10	PI/2 BPSK	1	1		17.71	17.61	17.66	19.5	



Reduced Power for DSI 8/10

Par27Q n78_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	20.5	0.0	
100	PI/2 BPSK	1	1	17.66	17.66	17.66	20.5	0.0	
100	PI/2 BPSK	1	137	19.01	19.01	19.01	20.5	0.0	
100	PI/2 BPSK	1	271	17.97	17.97	17.97	20.5	0.0	
100	PI/2 BPSK	135	0	17.94	17.94	17.94	20.5	0.0	
100	PI/2 BPSK	135	69	19.01	19.01	19.01	20.5	0.0	
100	PI/2 BPSK	135	138	18.21	18.21	18.21	20.5	0.0	
100	PI/2 BPSK	270	0	18.55	18.55	18.55	20.5	0.0	
100	QPSK	1	1	17.65	17.65	17.65	20.5	0.0	
100	QPSK	1	137	18.83	18.83	18.83	20.5	0.0	
100	QPSK	1	271	18.01	18.01	18.01	20.5	0.0	
100	QPSK	135	0	17.38	17.38	17.38	20.5	0.0	
100	QPSK	135	69	18.66	18.66	18.66	20.5	0.0	
100	QPSK	135	138	17.60	17.60	17.60	20.5	0.0	
100	QPSK	270	0	17.43	17.43	17.43	20.5	0.0	
100	16QAM	1	1	18.05	18.05	18.05	20.5	0.0	
100	64QAM	1	1	17.53	17.53	17.53	20.5	0.5	
100	256QAM	1	1	15.70	15.70	15.70	20.5	2.5	
Channel				633000	633334	633668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	20.5	0.0	
90	PI/2 BPSK	1	1	17.46	17.63	17.46	20.5	0.0	
Channel				632068	633334	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510	20.5	0.0	
80	PI/2 BPSK	1	1	17.49	17.59	17.46	20.5	0.0	
Channel				632000	633334	634068	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	20.5	0.0	
60	PI/2 BPSK	1	1	17.48	17.58	17.48	20.5	0.0	
Channel				631668	633334	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	20.5	0.0	
50	PI/2 BPSK	1	1	17.50	17.60	17.46	20.5	0.0	
Channel				631334	633334	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	20.5	0.0	
40	PI/2 BPSK	1	1	17.51	17.61	17.40	20.5	0.0	
Channel				631000	633334	635668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99	20.5	0.0	
30	PI/2 BPSK	1	1	17.51	17.61	17.41	20.5	0.0	
Channel				630668	633334	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	20.5	0.0	
20	PI/2 BPSK	1	1	17.45	17.64	17.47	20.5	0.0	
Channel				630500	636668	642832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48	20.5	0.0	
15	PI/2 BPSK	1	1	17.51	17.60	17.41	20.5	0.0	
Channel				630334	636668	643000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645	20.5	0.0	
10	PI/2 BPSK	1	1	17.49	17.64	17.47	20.5	0.0	

Part27O n78_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3750	3750	3750	20.5	0.0	
100	PI/2 BPSK	1	1	17.83	17.83	17.83	20.5	0.0	
100	PI/2 BPSK	1	137	19.08	19.08	19.08	20.5	0.0	
100	PI/2 BPSK	1	271	17.64	17.64	17.64	20.5	0.0	
100	PI/2 BPSK	135	0	18.04	18.04	18.04	20.5	0.0	
100	PI/2 BPSK	135	69	19.00	19.00	19.00	20.5	0.0	
100	PI/2 BPSK	135	138	17.96	17.96	17.96	20.5	0.0	
100	PI/2 BPSK	270	0	18.56	18.56	18.56	20.5	0.0	
100	QPSK	1	1	17.87	17.87	17.87	20.5	0.0	
100	QPSK	1	137	18.71	18.71	18.71	20.5	0.0	
100	QPSK	1	271	17.57	17.57	17.57	20.5	0.0	
100	QPSK	135	0	17.34	17.34	17.34	20.5	0.0	
100	QPSK	135	69	18.55	18.55	18.55	20.5	0.0	
100	QPSK	135	138	17.30	17.30	17.30	20.5	0.0	
100	QPSK	270	0	17.24	17.24	17.24	20.5	0.0	
100	16QAM	1	1	18.33	18.33	18.33	20.5	0.0	
100	64QAM	1	1	17.41	17.41	17.41	20.0	0.5	
100	256QAM	1	1	15.69	15.69	15.69	18.0	2.5	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	20.5	0.0	
90	PI/2 BPSK	1	1	17.58	17.80	17.62	20.5	0.0	
Channel				649334	650000	650668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	20.5	0.0	
80	PI/2 BPSK	1	1	17.63	17.81	17.69	20.5	0.0	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	20.5	0.0	
60	PI/2 BPSK	1	1	17.58	17.80	17.62	20.5	0.0	
Channel				648334	650000	651668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	20.5	0.0	
50	PI/2 BPSK	1	1	17.66	17.82	17.65	20.5	0.0	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	20.5	0.0	
40	PI/2 BPSK	1	1	17.58	17.78	17.62	20.5	0.0	
Channel				647668	650000	652332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98	20.5	0.0	
30	PI/2 BPSK	1	1	17.61	17.78	17.68	20.5	0.0	
Channel				647334	650000	652668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	20.5	0.0	
20	PI/2 BPSK	1	1	17.62	17.77	17.62	20.5	0.0	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	20.5	0.0	
15	PI/2 BPSK	1	1	17.61	17.81	17.68	20.5	0.0	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	20.5	0.0	
10	PI/2 BPSK	1	1	17.61	17.81	17.63	20.5	0.0	

Par27Q n78_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334	633334			
Frequency (MHz)				3500.01	14.20				
100	PI/2 BPSK	1	1		14.20				
100	PI/2 BPSK	1	137		14.22		15.3	0.0	
100	PI/2 BPSK	1	271		14.18				
100	PI/2 BPSK	135	0		14.07		15.3	0.0	
100	PI/2 BPSK	135	69		14.16		15.3	0.0	
100	PI/2 BPSK	135	138		14.12		15.3	0.0	
100	PI/2 BPSK	270	0		14.08				
100	QPSK	1	1		14.15				
100	QPSK	1	137		14.12		15.3	0.0	
100	QPSK	1	271		14.13				
100	QPSK	135	0		14.11				
100	QPSK	135	69		14.14		15.3	0.0	
100	QPSK	135	138		14.10				
100	QPSK	270	0		14.10		15.3	0.0	
100	16QAM	1	1		14.20		15.3	0.0	
100	64QAM	1	1		14.14		15.3	0.0	
100	256QAM	1	1		14.17		15.3	0.0	
Channel				633000	633334	633666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	15.3	0.0	
90	PI/2 BPSK	1	1		14.12	14.14	13.99	15.3	
Channel				632668	633334	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510	15.3	0.0	
80	PI/2 BPSK	1	1		14.07	14.18	13.97	15.3	
Channel				632000	633334	634666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	15.3	0.0	
60	PI/2 BPSK	1	1		14.05	14.19	13.98	15.3	
Channel				631668	633334	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	15.3	0.0	
50	PI/2 BPSK	1	1		14.05	14.18	13.99	15.3	
Channel				631334	633334	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	15.3	0.0	
40	PI/2 BPSK	1	1		14.11	14.12	13.93	15.3	
Channel				631000	633334	635666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99	15.3	0.0	
30	PI/2 BPSK	1	1		14.05	14.14	14.01	15.3	
Channel				630668	633334	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	15.3	0.0	
20	PI/2 BPSK	1	1		14.04	14.15	14.00	15.3	
Channel				630500	636666	642832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48	15.3	0.0	
15	PI/2 BPSK	1	1		14.07	14.12	13.97	15.3	
Channel				630334	636666	643000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645	15.3	0.0	
10	PI/2 BPSK	1	1		14.06	14.17	14.01	15.3	

Part27O n78_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		13.59				
100	PI/2 BPSK	1	137		13.63		15.3	0.0	
100	PI/2 BPSK	1	271		13.54				
100	PI/2 BPSK	135	0		13.51		15.3	0.0	
100	PI/2 BPSK	135	69		13.60		15.3	0.0	
100	PI/2 BPSK	135	138		13.58		15.3	0.0	
100	PI/2 BPSK	270	0		13.56				
100	QPSK	1	1		13.55				
100	QPSK	1	137		13.55		15.3	0.0	
100	QPSK	1	271		13.55				
100	QPSK	135	0		13.52				
100	QPSK	135	69		13.51		15.3	0.0	
100	QPSK	135	138		13.53				
100	QPSK	270	0		13.52		15.3	0.0	
100	16QAM	1	1		13.59		15.3	0.0	
100	64QAM	1	1		13.57		15.3	0.0	
100	256QAM	1	1		13.54		15.3	0.0	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	15.3	0.0	
90	PI/2 BPSK	1	1		13.48	13.57	13.40	15.3	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	15.3	0.0	
80	PI/2 BPSK	1	1		13.44	13.53	13.40	15.3	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	15.3	0.0	
60	PI/2 BPSK	1	1		13.47	13.56	13.43	15.3	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	15.3	0.0	
50	PI/2 BPSK	1	1		13.46	13.55	13.43	15.3	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	15.3	0.0	
40	PI/2 BPSK	1	1		13.45	13.52	13.37	15.3	
Channel				647668	650000	652332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98	15.3	0.0	
30	PI/2 BPSK	1	1		13.40	13.51	13.37	15.3	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	15.3	0.0	
20	PI/2 BPSK	1	1		13.46	13.51	13.39	15.3	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	15.3	0.0	
15	PI/2 BPSK	1	1		13.44	13.54	13.40	15.3	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	15.3	0.0	
10	PI/2 BPSK	1	1		13.41	13.54	13.39	15.3	



Reduced Power for DSI 9/10

n2_Ant 11							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	MPR (dB)
Frequency (MHz)				1869	1880	1900	
20	PI2 BPSK	1	1	18.49	18.51	18.44	
20	PI2 BPSK	1	53	18.52	18.61	18.57	19.5
20	PI2 BPSK	1	104	18.19	18.27	18.21	19.5
20	PI2 BPSK	50	0	18.50	18.57	18.43	19.5
20	PI2 BPSK	50	28	18.51	18.59	18.52	19.5
20	PI2 BPSK	50	56	18.39	18.41	18.29	19.5
20	PI2 BPSK	100	0	18.49	18.55	18.42	19.5
20	QPSK	1	1	18.42	18.53	18.39	19.5
20	QPSK	1	53	18.51	18.52	18.44	19.5
20	QPSK	1	104	18.26	18.27	18.15	19.5
20	QPSK	50	0	18.55	18.60	18.57	19.5
20	QPSK	50	28	18.55	18.57	18.46	19.5
20	QPSK	50	56	18.48	18.48	18.33	19.5
20	QPSK	100	0	18.47	18.51	18.39	19.5
20	16QAM	1	1	18.17	18.30	18.19	19.5
20	64QAM	1	1	18.29	18.34	18.27	19.5
20	256QAM	1	1	18.42	18.55	18.46	19.5
Channel				371500	376000	380500	MPR (dB)
Frequency (MHz)				1871.5	1880	1892.5	
15	PI2 BPSK	1	1	18.43	18.50	18.36	19.5
Channel				371000	376000	381000	MPR (dB)
Frequency (MHz)				1855	1880	1905	
10	PI2 BPSK	1	1	18.42	18.46	18.43	19.5
Channel				370500	376000	381500	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI2 BPSK	1	1	18.36	18.37	18.35	19.5

n7_Ant 11							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				507000	507000	512000	MPR (dB)
Frequency (MHz)				2510	2535	2560	
20	PI2 BPSK	1	1	18.46	18.47	18.45	
20	PI2 BPSK	1	53	18.58	18.60	18.56	19.5
20	PI2 BPSK	1	104	18.41	18.49	18.49	19.5
20	PI2 BPSK	50	0	18.47	18.56	18.47	19.5
20	PI2 BPSK	50	28	18.49	18.57	18.50	19.5
20	PI2 BPSK	50	56	18.40	18.51	18.48	19.5
20	PI2 BPSK	100	0	18.49	18.55	18.48	19.5
20	QPSK	1	1	18.42	18.44	18.32	19.5
20	QPSK	1	53	18.46	18.52	18.39	19.5
20	QPSK	1	104	18.44	18.44	18.33	19.5
20	QPSK	50	0	18.46	18.54	18.47	19.5
20	QPSK	50	28	18.45	18.55	18.52	19.5
20	QPSK	50	56	18.37	18.47	18.35	19.5
20	QPSK	100	0	18.51	18.57	18.50	19.5
20	16QAM	1	1	18.11	18.23	18.10	19.5
20	64QAM	1	1	18.23	18.28	18.26	19.5
20	256QAM	1	1	18.47	18.52	18.43	19.5
Channel				501500	507000	512500	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI2 BPSK	1	1	18.43	18.37	18.41	19.5
Channel				501000	507000	513000	MPR (dB)
Frequency (MHz)				2505	2535	2565	
10	PI2 BPSK	1	1	18.36	18.39	18.43	19.5
Channel				500500	507000	513500	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI2 BPSK	1	1	18.44	18.39	18.44	19.5

n66_Ant 11							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346500	349500	352500	MPR (dB)
Frequency (MHz)				1730	1745	1760	
40	PI2 BPSK	1	1	18.64	18.70	18.69	
40	PI2 BPSK	1	108	19.06	19.13	19.00	20.0
40	PI2 BPSK	1	214	18.71	18.76	18.70	20.0
40	PI2 BPSK	108	0	18.90	19.04	19.02	20.0
40	PI2 BPSK	108	54	18.96	19.10	19.08	20.0
40	PI2 BPSK	108	108	18.77	18.89	18.79	20.0
40	PI2 BPSK	216	0	18.89	18.96	18.89	20.0
40	QPSK	1	1	18.54	18.56	18.52	20.0
40	QPSK	1	108	19.02	19.05	18.96	20.0
40	QPSK	1	214	18.76	18.78	18.71	20.0
40	QPSK	108	0	18.90	19.01	18.98	20.0
40	QPSK	108	54	19.11	19.12	19.08	20.0
40	QPSK	108	108	18.79	18.85	18.71	20.0
40	QPSK	216	0	18.80	18.90	18.78	20.0
40	16QAM	1	1	18.46	18.55	18.43	20.0
40	64QAM	1	1	18.58	18.62	18.57	20.0
40	256QAM	1	1	18.53	18.58	18.54	19.5
Channel				345000	349000	353000	MPR (dB)
Frequency (MHz)				1722	1742	1762	
30	PI2 BPSK	1	1	18.59	18.63	18.61	20.0
Channel				344500	349000	353500	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI2 BPSK	1	1	18.55	18.63	18.61	20.0
Channel				344000	349000	354000	MPR (dB)
Frequency (MHz)				1720	1745	1770	
20	PI2 BPSK	1	1	18.60	18.65	18.66	20.0
Channel				343500	349000	354500	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI2 BPSK	1	1	18.60	18.66	18.68	20.0
Channel				343000	349000	355000	MPR (dB)
Frequency (MHz)				1715	1745	1775	
10	PI2 BPSK	1	1	18.56	18.64	18.63	20.0
Channel				342500	349000	355500	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI2 BPSK	1	1	18.60	18.67	18.66	20.0



Reduced Power for DSI 9/10

Par27Q n77_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	3500.01				
Frequency (MHz)					16.37				
100	PI/2 BPSK	1	1						
100	PI/2 BPSK	1	137		16.43		17.5	0.0	
100	PI/2 BPSK	1	271		16.40				
100	PI/2 BPSK	135	0		16.32		17.5	0.0	
100	PI/2 BPSK	135	69		16.35		17.5	0.0	
100	PI/2 BPSK	135	138		16.27		17.5	0.0	
100	PI/2 BPSK	270	0		16.32				
100	QPSK	1	1		16.34				
100	QPSK	1	137		16.42		17.5	0.0	
100	QPSK	1	271		16.38				
100	QPSK	135	0		16.39				
100	QPSK	135	69		16.39		17.5	0.0	
100	QPSK	135	138		16.35				
100	QPSK	270	0		16.34		17.5	0.0	
100	16QAM	1	1		16.36		17.5	0.0	
100	64QAM	1	1		16.40		17.5	0.0	
100	256QAM	1	1		16.35		17.5	0.0	
Channel				633000	633332	633666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99	17.5	0.0	
90	PI/2 BPSK	1	1		16.18	16.35	16.25	17.5	
Channel				632668	633332	634000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3499.98	3510	17.5	0.0	
80	PI/2 BPSK	1	1		16.14	16.30	16.22	17.5	
Channel				648668	650000	651332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98	17.5	0.0	
60	PI/2 BPSK	1	1		16.15	16.29	16.23	17.5	
Channel				631668	633332	635000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525	17.5	0.0	
50	PI/2 BPSK	1	1		16.13	16.29	16.25	17.5	
Channel				631334	633332	635332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98	17.5	0.0	
40	PI/2 BPSK	1	1		16.19	16.32	16.22	17.5	
Channel				630668	633332	636000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540.00	17.5	0.0	
20	PI/2 BPSK	1	1		16.13	16.32	16.22	17.5	
Channel				630500	633332	636166	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3499.98	3542.49	17.5	0.0	
15	PI/2 BPSK	1	1		16.17	16.32	16.21	17.5	
Channel				630334	633332	636332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3499.98	3544.98	17.5	0.0	
10	PI/2 BPSK	1	1		16.12	16.31	16.26	17.5	

Par27O n77_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1		16.09	16.18	16.12		
100	PI/2 BPSK	1	137		16.18	16.23	16.14	17.5	
100	PI/2 BPSK	1	271		16.02	16.15	16.06		
100	PI/2 BPSK	135	0		16.12	16.19	16.07	17.5	
100	PI/2 BPSK	135	69		16.19	16.22	16.15	17.5	
100	PI/2 BPSK	135	138		16.09	16.18	16.06	17.5	
100	PI/2 BPSK	270	0		16.04	16.15	16.10		
100	QPSK	1	1		16.04	16.17	16.10		
100	QPSK	1	137		16.00	16.13	16.03	17.5	
100	QPSK	1	271		16.12	16.15	16.03		
100	QPSK	135	0		16.17	16.18	16.17		
100	QPSK	135	69		16.14	16.18	16.16	17.5	
100	QPSK	135	138		16.09	16.21	16.11		
100	QPSK	270	0		16.15	16.19	16.09	17.5	
100	16QAM	1	1		16.03	16.14	15.99	17.5	
100	64QAM	1	1		16.08	16.19	16.15	17.5	
100	256QAM	1	1		16.01	16.16	16.08	17.5	
Channel				648668	650000	651332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	17.5	0.0	
90	PI/2 BPSK	1	1		16.06	16.14	16.06	17.5	
Channel				649334	650000	650666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	17.5	0.0	
80	PI/2 BPSK	1	1		16.03	16.13	16.11	17.5	
Channel				648668	650000	651332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	17.5	0.0	
60	PI/2 BPSK	1	1		16.07	16.15	16.11	17.5	
Channel				648334	650000	651666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	17.5	0.0	
50	PI/2 BPSK	1	1		16.05	16.13	16.04	17.5	
Channel				648000	650000	652000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	17.5	0.0	
40	PI/2 BPSK	1	1		16.08	16.09	16.08	17.5	
Channel				647334	650000	652666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750.00	3789.99	17.5	0.0	
20	PI/2 BPSK	1	1		16.04	16.16	16.05	17.5	
Channel				647168	650000	652832	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	17.5	0.0	
15	PI/2 BPSK	1	1		16.06	16.15	16.09	17.5	
Channel				647000	650000	653000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	17.5	0.0	
10	PI/2 BPSK	1	1		16.02	16.11	16.07	17.5	

Par27Q n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		16.41				
100	PI/2 BPSK	1	137		16.42		17.3	0.0	
100	PI/2 BPSK	1	271		16.40				
100	PI/2 BPSK	135	0		16.35		17.3	0.0	
100	PI/2 BPSK	135	69		16.38		17.3	0.0	
100	PI/2 BPSK	135	138		16.35		17.3	0.0	
100	PI/2 BPSK	270	0		16.34				
100	QPSK	1	1		16.36				
100	QPSK	1	137		16.31		17.3	0.0	
100	QPSK	1	271		16.36				
100	QPSK	135	0		16.37				
100	QPSK	135	69		16.34		17.3	0.0	
100	QPSK	135	138		16.36				
100	QPSK	270	0		16.33		17.3	0.0	
100	16QAM	1	1		16.41		17.3	0.0	
100	64QAM	1	1		16.33		17.3	0.0	
100	256QAM	1	1		16.41		17.3	0.0	
Channel				633000	633334	633668	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	17.3		
90	PI/2 BPSK	1	1	16.23	16.40	16.15	17.3	0.0	
Channel				632668	633334	634000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510	17.3		
80	PI/2 BPSK	1	1	16.28	16.34	16.15	17.3	0.0	
Channel				632000	633334	634668	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	17.3		
60	PI/2 BPSK	1	1	16.25	16.40	16.14	17.3	0.0	
Channel				631668	633334	635000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	17.3		
50	PI/2 BPSK	1	1	16.30	16.40	16.14	17.3	0.0	
Channel				631334	633334	635332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	17.3		
40	PI/2 BPSK	1	1	16.23	16.37	16.18	17.3	0.0	
Channel				631000	633334	635668	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99	17.3		
30	PI/2 BPSK	1	1	16.22	16.37	16.16	17.3	0.0	
Channel				630668	633334	636000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	17.3		
20	PI/2 BPSK	1	1	16.22	16.36	16.20	17.3	0.0	
Channel				630500	636668	642832	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48	17.3		
15	PI/2 BPSK	1	1	16.29	16.34	16.21	17.3	0.0	
Channel				630334	636668	643000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645	17.3		
10	PI/2 BPSK	1	1	16.30	16.40	16.16	17.3	0.0	

Part27O n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		16.06				
100	PI/2 BPSK	1	137		16.12		17.3	0.0	
100	PI/2 BPSK	1	271		16.10				
100	PI/2 BPSK	135	0		16.03		17.3	0.0	
100	PI/2 BPSK	135	69		16.07		17.3	0.0	
100	PI/2 BPSK	135	138		16.05		17.3	0.0	
100	PI/2 BPSK	270	0		16.06				
100	QPSK	1	1		16.07				
100	QPSK	1	137		16.01		17.3	0.0	
100	QPSK	1	271		16.04				
100	QPSK	135	0		16.00				
100	QPSK	135	69		16.02		17.3	0.0	
100	QPSK	135	138		16.00				
100	QPSK	270	0		16.04		17.3	0.0	
100	16QAM	1	1		16.09		17.3	0.0	
100	64QAM	1	1		16.04		17.3	0.0	
100	256QAM	1	1		16.09		17.3	0.0	
Channel				649668	650000	650332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	17.3		
90	PI/2 BPSK	1	1	15.92	16.01	15.95	17.3	0.0	
Channel				649334	650000	650668	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	17.3		
80	PI/2 BPSK	1	1	15.90	16.02	15.99	17.3	0.0	
Channel				648668	650000	651332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	17.3		
60	PI/2 BPSK	1	1	15.86	15.97	15.97	17.3	0.0	
Channel				648334	650000	651668	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	17.3		
50	PI/2 BPSK	1	1	15.87	16.04	15.92	17.3	0.0	
Channel				648000	650000	652000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	17.3		
40	PI/2 BPSK	1	1	15.91	16.03	15.93	17.3	0.0	
Channel				647668	650000	652332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98	17.3		
30	PI/2 BPSK	1	1	15.86	16.00	15.94	17.3	0.0	
Channel				647334	650000	652668	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	17.3		
20	PI/2 BPSK	1	1	15.88	16.03	15.97	17.3	0.0	
Channel				647168	650000	652832	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	17.3		
15	PI/2 BPSK	1	1	15.88	16.03	15.94	17.3	0.0	
Channel				647000	650000	653000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	17.3		
10	PI/2 BPSK	1	1	15.91	16.05	15.92	17.3	0.0	



UL CA

CA_7C_Ant13											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	49	0	0	1	0	Default	21.48	23.00
21100	21298	QPSK	1	49	0	0	1	0	Default	21.86	23.00
21350	21152	QPSK	1	49	0	0	1	0	Default	21.84	23.00
20850	21048	QPSK	1	49	0	0	1	0	DSI2	12.56	14.00
21100	21298	QPSK	1	49	0	0	1	0	DSI2	12.89	14.00
21350	21152	QPSK	1	49	0	0	1	0	DSI2	12.57	14.00
20850	21048	QPSK	50	24	0	0	1	0	DSI3	10.75	12.00
21100	21298	QPSK	50	24	0	0	1	0	DSI3	10.89	12.00
21350	21152	QPSK	50	24	0	0	1	0	DSI3	10.57	12.00
20850	21048	QPSK	1	49	0	0	1	0	DSI4	21.48	23.00
21100	21298	QPSK	1	49	0	0	1	0	DSI4	21.86	23.00
21350	21152	QPSK	1	49	0	0	1	0	DSI4	21.84	23.00
20850	21048	QPSK	1	49	0	0	1	0	DSI5	16.75	18.50
21100	21298	QPSK	1	49	0	0	1	0	DSI5	17.35	18.50
21350	21152	QPSK	1	49	0	0	1	0	DSI5	17.01	18.50
20850	21048	QPSK	50	24	0	0	1	0	DSI8	14.43	16.00
21100	21298	QPSK	50	24	0	0	1	0	DSI8	14.92	16.00
21350	21152	QPSK	50	24	0	0	1	0	DSI8	14.78	16.00
20850	21048	QPSK	1	49	0	0	1	0	DSI10	14.46	16.00
21100	21298	QPSK	1	49	0	0	1	0	DSI10	14.96	16.00
21350	21152	QPSK	1	49	0	0	1	0	DSI10	14.82	16.00

CA_7C_Ant31											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	49	0	0	1	0	Default	22.12	23.50
21100	21298	QPSK	1	49	0	0	1	0	Default	22.16	23.50
21350	21152	QPSK	1	49	0	0	1	0	Default	22.04	23.50
20850	21048	QPSK	1	49	0	0	1	0	DSI2	22.12	23.50
21100	21298	QPSK	1	49	0	0	1	0	DSI2	22.16	23.50
21350	21152	QPSK	1	49	0	0	1	0	DSI2	22.04	23.50
20850	21048	QPSK	1	49	0	0	1	0	DSI3	22.12	23.50
21100	21298	QPSK	1	49	0	0	1	0	DSI3	22.16	23.50
21350	21152	QPSK	1	49	0	0	1	0	DSI3	22.04	23.50
20850	21048	QPSK	1	49	0	0	1	0	DSI5	20.27	22.00
21100	21298	QPSK	1	49	0	0	1	0	DSI5	20.67	22.00
21350	21152	QPSK	1	49	0	0	1	0	DSI5	20.66	22.00
20850	21048	QPSK	1	49	0	0	1	0	DSI8/10	18.99	20.50
21100	21298	QPSK	1	49	0	0	1	0	DSI8/10	19.31	20.50
21350	21152	QPSK	1	49	0	0	1	0	DSI8/10	19.15	20.50



UL CA

CA_38C_Ant13											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	49	0	0	1	0	Default	22.11	23.40
37901	38099	QPSK	1	49	0	0	1	0	Default	22.38	23.40
38150	37952	QPSK	1	49	0	0	1	0	Default	22.31	23.40
37850	38048	QPSK	50	24	0	0	1	0	DSI2	14.99	16.40
37901	38099	QPSK	50	24	0	0	1	0	DSI2	15.02	16.40
38150	37952	QPSK	50	24	0	0	1	0	DSI2	15.01	16.40
37850	38048	QPSK	50	24	0	0	1	0	DSI3	13.06	14.40
37901	38099	QPSK	50	24	0	0	1	0	DSI3	13.10	14.40
38150	37952	QPSK	50	24	0	0	1	0	DSI3	13.08	14.40
37850	38048	QPSK	1	49	0	0	1	0	DSI4	22.11	23.40
37901	38099	QPSK	1	49	0	0	1	0	DSI4	22.38	23.40
38150	37952	QPSK	1	49	0	0	1	0	DSI4	22.31	23.40
37850	38048	QPSK	50	24	0	0	1	0	DSI5	19.52	20.90
37901	38099	QPSK	50	24	0	0	1	0	DSI5	19.55	20.90
38150	37952	QPSK	50	24	0	0	1	0	DSI5	19.53	20.90
37850	38048	QPSK	1	49	0	0	1	0	DSI8/10	17.50	18.90
37901	38099	QPSK	1	49	0	0	1	0	DSI8/10	17.82	18.90
38150	37952	QPSK	1	49	0	0	1	0	DSI8/10	17.77	18.90

CA_38C_Ant31											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	49	0	0	1	0	Default	22.38	23.80
37901	38099	QPSK	1	49	0	0	1	0	Default	22.68	23.80
38150	37952	QPSK	1	49	0	0	1	0	Default	22.61	23.80
37850	38048	QPSK	1	49	0	0	1	0	DSI2	22.38	23.80
37901	38099	QPSK	1	49	0	0	1	0	DSI2	22.68	23.80
38150	37952	QPSK	1	49	0	0	1	0	DSI2	22.61	23.80
37850	38048	QPSK	1	49	0	0	1	0	DSI3	22.38	23.80
37901	38099	QPSK	1	49	0	0	1	0	DSI3	22.68	23.80
38150	37952	QPSK	1	49	0	0	1	0	DSI3	22.61	23.80
37850	38048	QPSK	1	49	0	0	1	0	DSI5	22.38	23.80
37901	38099	QPSK	1	49	0	0	1	0	DSI5	22.68	23.80
38150	37952	QPSK	1	49	0	0	1	0	DSI5	22.61	23.80
37850	38048	QPSK	50	24	0	0	1	0	DSI8/10	20.74	22.30
37901	38099	QPSK	50	24	0	0	1	0	DSI8/10	21.12	22.30
38150	37952	QPSK	50	24	0	0	1	0	DSI8/10	21.00	22.30



UL CA

CA_41C_Ant13											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	49	0	0	1	0	Default	21.82	23.40
40185	40383	QPSK	1	49	0	0	1	0	Default	21.92	23.40
40620	40422	QPSK	1	49	0	0	1	0	Default	22.42	23.40
41055	40857	QPSK	1	49	0	0	1	0	Default	22.34	23.40
41490	41292	QPSK	1	49	0	0	1	0	Default	22.41	23.40
39750	39948	QPSK	50	24	0	0	1	0	DSI2	14.86	16.40
40185	40383	QPSK	50	24	0	0	1	0	DSI2	14.97	16.40
40620	40422	QPSK	50	24	0	0	1	0	DSI2	15.15	16.40
41055	40857	QPSK	50	24	0	0	1	0	DSI2	15.13	16.40
41490	41292	QPSK	50	24	0	0	1	0	DSI2	15.08	16.40
39750	39948	QPSK	50	24	0	0	1	0	DSI3	12.83	14.40
40185	40383	QPSK	50	24	0	0	1	0	DSI3	12.90	14.40
40620	40422	QPSK	50	24	0	0	1	0	DSI3	13.23	14.40
41055	40857	QPSK	50	24	0	0	1	0	DSI3	13.12	14.40
41490	41292	QPSK	50	24	0	0	1	0	DSI3	13.20	14.40
39750	39948	QPSK	1	49	0	0	1	0	DSI4	21.82	23.40
40185	40383	QPSK	1	49	0	0	1	0	DSI4	21.92	23.40
40620	40422	QPSK	1	49	0	0	1	0	DSI4	22.42	23.40
41055	40857	QPSK	1	49	0	0	1	0	DSI4	22.34	23.40
41490	41292	QPSK	1	49	0	0	1	0	DSI4	22.41	23.40
39750	39948	QPSK	50	24	0	0	1	0	DSI5	19.53	20.90
40185	40383	QPSK	50	24	0	0	1	0	DSI5	19.52	20.90
40620	40422	QPSK	50	24	0	0	1	0	DSI5	19.75	20.90
41055	40857	QPSK	50	24	0	0	1	0	DSI5	19.56	20.90
41490	41292	QPSK	50	24	0	0	1	0	DSI5	19.64	20.90
39750	39948	QPSK	1	49	0	0	1	0	DSI8/10	17.48	18.90
40185	40383	QPSK	1	49	0	0	1	0	DSI8/10	17.52	18.90
40620	40422	QPSK	1	49	0	0	1	0	DSI8/10	18.04	18.90
41055	40857	QPSK	1	49	0	0	1	0	DSI8/10	17.97	18.90
41490	41292	QPSK	1	49	0	0	1	0	DSI8/10	18.01	18.90

CA_41C_Ant31											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	49	0	0	1	0	Default	22.27	23.80
40185	40383	QPSK	1	49	0	0	1	0	Default	22.27	23.80
40620	40422	QPSK	1	49	0	0	1	0	Default	22.81	23.80
41055	40857	QPSK	1	49	0	0	1	0	Default	22.78	23.80
41490	41292	QPSK	1	49	0	0	1	0	Default	22.71	23.80
39750	39948	QPSK	1	49	0	0	1	0	DSI2	22.27	23.80
40185	40383	QPSK	1	49	0	0	1	0	DSI2	22.27	23.80
40620	40422	QPSK	1	49	0	0	1	0	DSI2	22.81	23.80
41055	40857	QPSK	1	49	0	0	1	0	DSI2	22.78	23.80
41490	41292	QPSK	1	49	0	0	1	0	DSI2	22.71	23.80
39750	39948	QPSK	1	49	0	0	1	0	DSI3	22.27	23.80
40185	40383	QPSK	1	49	0	0	1	0	DSI3	22.27	23.80
40620	40422	QPSK	1	49	0	0	1	0	DSI3	22.81	23.80
41055	40857	QPSK	1	49	0	0	1	0	DSI3	22.78	23.80
41490	41292	QPSK	1	49	0	0	1	0	DSI3	22.71	23.80
39750	39948	QPSK	1	49	0	0	1	0	DSI5	22.27	23.80
40185	40383	QPSK	1	49	0	0	1	0	DSI5	22.27	23.80
40620	40422	QPSK	1	49	0	0	1	0	DSI5	22.81	23.80
41055	40857	QPSK	1	49	0	0	1	0	DSI5	22.78	23.80
41490	41292	QPSK	1	49	0	0	1	0	DSI5	22.71	23.80
39750	39948	QPSK	50	24	0	0	1	0	DSI8/10	20.69	22.30
40185	40383	QPSK	50	24	0	0	1	0	DSI8/10	20.68	22.30
40620	40422	QPSK	50	24	0	0	1	0	DSI8/10	21.19	22.30
41055	40857	QPSK	50	24	0	0	1	0	DSI8/10	21.15	22.30
41490	41292	QPSK	50	24	0	0	1	0	DSI8/10	21.18	22.30



Conducted Default Power for UL_CA

UL_CA Band 4A_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	Tune-up limit (dBm)	MPR (dB)	
Channel				20920	20175	20390			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	20.55	20.65	20.58	21.8	0	
20	QPSK	1	49	20.58	20.66	20.61			
20	QPSK	1	99	20.52	20.59	20.58			
20	QPSK	50	0	20.51	20.55	20.47			
20	QPSK	50	24	20.56	20.62	20.56	21.8	0	
20	QPSK	50	50	20.47	20.58	20.55			
20	QPSK	100	0	20.47	20.55	20.52			
20	16QAM	1	0	20.48	20.53	20.52			
20	16QAM	1	49	20.52	20.59	20.53	21.8	0	
20	16QAM	1	99	20.50	20.50	20.47			
20	16QAM	50	0	20.54	20.60	20.47			
20	16QAM	50	24	20.48	20.54	20.55			
20	16QAM	50	50	20.51	20.59	20.50	21.8	0	
20	16QAM	100	0	20.51	20.57	20.50			
20	64QAM	1	0	20.47	20.54	20.53			
20	64QAM	1	49	20.51	20.57	20.53			
20	64QAM	1	99	20.52	20.59	20.47	21.8	0	
20	64QAM	50	0	19.54	19.59	19.55			
20	64QAM	50	24	19.47	19.61	19.53			
20	64QAM	50	50	19.49	19.58	19.49			
20	64QAM	100	0	19.48	19.49	19.48	20.8	1	
Channel				20325	20175	20325			
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	20.60	20.57	20.64			21.8
15	QPSK	1	37	20.63	20.64	20.63			
15	QPSK	1	74	20.48	20.49	20.46			
15	QPSK	36	0	20.46	20.42	20.43			
15	QPSK	36	20	20.57	20.50	20.53	21.8	0	
15	QPSK	36	39	20.55	20.55	20.45			
15	QPSK	75	0	20.54	20.51	20.49			
15	16QAM	1	0	20.46	20.49	20.49			
15	16QAM	1	37	20.48	20.54	20.57	21.8	0	
15	16QAM	1	74	20.49	20.48	20.59			
15	16QAM	36	0	20.57	20.54	20.54			
15	16QAM	36	20	20.52	20.52	20.52			
15	16QAM	36	39	20.58	20.54	20.57	21.8	0	
15	16QAM	75	0	20.54	20.48	20.55			
15	64QAM	1	0	20.43	20.52	20.40			
15	64QAM	1	37	20.47	20.52	20.43			
15	64QAM	1	74	20.46	20.50	20.58	21.8	0	
15	64QAM	36	0	19.53	19.51	19.54			
15	64QAM	36	20	19.60	19.56	19.54			
15	64QAM	36	39	19.50	19.55	19.49			
15	64QAM	75	0	19.47	19.48	19.48	20.8	1	
Channel				20300 <th>20175</th> <th>20325</th>	20175	20325			
Frequency (MHz)				1715 <th>1732.5</th> <th>1750</th>	1732.5	1750			
10	QPSK	1	0	20.52	20.58	20.60			21.8
10	QPSK	1	25	20.65	20.65	20.61			
10	QPSK	1	49	20.57	20.53	20.47			
10	QPSK	25	0	20.43	20.48	20.54			
10	QPSK	25	12	20.58	20.57	20.53	21.8	0	
10	QPSK	25	25	20.47	20.51	20.55			
10	QPSK	50	0	20.45	20.48	20.48			
10	16QAM	1	0	20.40	20.42	20.51			
10	16QAM	1	25	20.47	20.51	20.56	21.8	0	
10	16QAM	1	49	20.48	20.59	20.56			
10	16QAM	25	0	20.56	20.54	20.51			
10	16QAM	25	12	20.43	20.50	20.50			
10	16QAM	25	25	20.56	20.55	20.55	21.8	0	
10	16QAM	50	0	20.55	20.50	20.53			
10	64QAM	1	0	20.44	20.51	20.41			
10	64QAM	1	25	20.45	20.47	20.46			
10	64QAM	1	49	20.51	20.49	20.51	21.8	0	
10	64QAM	25	0	19.52	19.53	19.53			
10	64QAM	25	12	19.54	19.53	19.57			
10	64QAM	25	25	19.48	19.48	19.53			
10	64QAM	50	0	19.55	19.53	19.53	20.8	1	
Channel				19375 <th>20175</th> <th>20325</th>	20175	20325			
Frequency (MHz)				1712.5 <th>1732.5<th>1752.5</th></th>	1732.5 <th>1752.5</th>	1752.5			
5	QPSK	1	0	20.64	20.57	20.60			21.8
5	QPSK	1	12	20.55	20.64	20.64			
5	QPSK	1	24	20.47	20.46	20.52			
5	QPSK	12	0	20.42	20.52	20.54			
5	QPSK	12	7	20.53	20.49	20.52	21.8	0	
5	QPSK	12	13	20.55	20.49	20.51			
5	QPSK	25	0	20.50	20.54	20.42			
5	16QAM	1	0	20.41	20.40	20.48			
5	16QAM	1	12	20.56	20.52	20.56	21.8	0	
5	16QAM	1	24	20.51	20.54	20.48			
5	16QAM	12	0	20.54	20.49	20.55			
5	16QAM	12	7	20.48	20.48	20.51			
5	16QAM	12	13	20.49	20.52	20.51	21.8	0	
5	16QAM	25	0	20.44	20.52	20.54			
5	64QAM	1	0	20.51	20.49	20.46			
5	64QAM	1	12	20.52	20.52	20.44			
5	64QAM	1	24	20.52	20.50	20.54	21.8	0	
5	64QAM	12	0	19.51	19.50	19.54			
5	64QAM	12	7	19.54	19.59	19.59			
5	64QAM	12	13	19.54	19.55	19.56			
5	64QAM	25	0	19.49	19.47	19.52	20.8	1	
Channel				19350 <th>20175</th> <th>20325</th>	20175	20325			
Frequency (MHz)				1711.0 <th>1732.5</th> <th>1753.0</th>	1732.5	1753.0			
3	QPSK	1	0	20.63	20.59	20.57			21.8
3	QPSK	1	3	20.56	20.60	20.58			
3	QPSK	1	14	20.62	20.49	20.57			
3	QPSK	8	0	20.49	20.49	20.47			
3	QPSK	8	4	20.57	20.58	20.52	21.8	0	
3	QPSK	8	7	20.51	20.48	20.52			
3	QPSK	15	0	20.47	20.45	20.44			
3	16QAM	1	0	20.44	20.53	20.51			
3	16QAM	1	8	20.51	20.55	20.52	21.8	0	
3	16QAM	1	14	20.59	20.59	20.56			
3	16QAM	8	0	20.55	20.51	20.49			
3	16QAM	8	4	20.44	20.43	20.51			
3	16QAM	8	7	20.47	20.52	20.55	21.8	0	
3	16QAM	15	0	20.46	20.45	20.51			
3	64QAM	1	0	20.53	20.49	20.52			
3	64QAM	1	8	20.46	20.55	20.54			
3	64QAM	1	14	20.52	20.55	20.50	21.8	0	
3	64QAM	8	0	19.57	19.56	19.49			
3	64QAM	8	4	19.52	19.56	19.57			
3	64QAM	8	7	19.50	19.55	19.55			
3	64QAM	15	0	19.49	19.54	19.51	20.8	1	
Channel				19357 <th>20175</th> <th>20393</th>	20175	20393			
Frequency (MHz)				1710.7 <th>1732.5</th> <th>1754.3</th>	1732.5	1754.3			
1.4	QPSK	1	0	20.53	20.59	20.61			21.8
1.4	QPSK	1	3	20.61	20.59	20.60			
1.4	QPSK	1	5	20.47	20.50	20.49			
1.4	QPSK	3	0	20.50	20.45	20.48			
1.4	QPSK	3	1	20.60	20.57	20.50	21.8	0	
1.4	QPSK	3	3	20.49	20.50	20.52			
1.4	QPSK	6	0	20.43	20.51	20.53			
1.4	16QAM	1	0	20.48	20.40	20.48			
1.4	16QAM	1	3	20.52	20.51	20.52	21.8	0	
1.4	16QAM	3	0	20.56	20.50	20.52			
1.4	16QAM	3	0	20.55	20.47	20.49			
1.4	16QAM	3	1	20.52	20.43	20.51			
1.4	16QAM	3	3	20.51	20.52	20.53	21.8	0	
1.4	16QAM	6	0	20.55	20.50	20.52			
1.4	16QAM	6	0	20.54	20.45	20.50			
1.4	64QAM	1	0	20.48	20.49	20.53			
1.4	64QAM	1	5	20.56	20.54	20.52	21.8	0	
1.4	64QAM	3	0	20.51	20.51	20.52			
1.4	64QAM	3	1	20.52	20.43	20.51			
1.4	64QAM	3	3	20.51	20.52	20.53			
1.4	64QAM	6	0	20.55	20.50	20.52	21.8	0	
1.4	64QAM	6	0	20.54	20.45	20.51			
1.4	64QAM	1	0	20.53	20.49	20.52			
1.4	64QAM	1	5	20.56	20.54	20.52			
1.4	64QAM	3	0	20.51	20.51	20.52	21.8	0	
1.4	64QAM	3	1	20.57	20.56	20.56			
1.4	64QAM	3	3	20.56	20.50	20.52			
1.4	64QAM	6	0	19.51	19.56	19.53			

UL_CA Band 4A_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	Tune-up limit (dBm)	MPR (dB)	
Channel				20992	20175	20390			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	20.55	20.65	20.58	21.8	0	
20	QPSK	1	49	20.58	20.66	20.61			
20	QPSK	1	99	20.52	20.59	20.58			
20	QPSK	50	0	20.51	20.55	20.47			
20	QPSK	50	24	20.56	20.62	20.56	21.8	0	
20	QPSK	50	50	20.47	20.58	20.55			
20	QPSK	100	0	20.47	20.55	20.52			
20	16QAM	1	0	20.48	20.53	20.52			
20	16QAM	1	49	20.52	20.59	20.53	21.8	0	
20	16QAM	1	99	20.50	20.57	20.50			
20	16QAM	50	0	20.54	20.60	20.47			
20	16QAM	50	24	20.48	20.54	20.55			
20	16QAM	50	50	20.51	20.59	20.50	21.8	0	
20	16QAM	100	0	20.51	20.57	20.50			
20	64QAM	1	0	20.47	20.54	20.53			
20	64QAM	1	49	20.51	20.57	20.53			
20	64QAM	1	99	20.52	20.59	20.47	21.8	0	
20	64QAM	50	0	19.54	19.59	19.55			
20	64QAM	50	24	19.47	19.61	19.53			
20	64QAM	50	50	19.49	19.58	19.49			
20	64QAM	100	0	19.48	19.57	19.49	20.8	1	
Channel				20325	20175	20325			
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	20.60	20.57	20.64			21.8
15	QPSK	1	37	20.63	20.64	20.63			
15	QPSK	1	74	20.48	20.49	20.46			
15	QPSK	36	0	20.46	20.42	20.43			
15	QPSK	36	20	20.57	20.50	20.53	21.8	0	
15	QPSK	36	39	20.55	20.55	20.45			
15	QPSK	75	0	20.54	20.51	20.49			
15	16QAM	1	0	20.46	20.49	20.49			
15	16QAM	1	37	20.48	20.54	20.57	21.8	0	
15	16QAM	1	74	20.46	20.48	20.46			
15	16QAM	36	0	20.57	20.54	20.54			
15	16QAM	36	20	20.52	20.52	20.52			
15	16QAM	36	39	20.58	20.54	20.57	21.8	0	
15	16QAM	75	0	20.54	20.48	20.55			
15	64QAM	1	0	20.43	20.52	20.40			
15	64QAM	1	37	20.47	20.52	20.43			
15	64QAM	1	74	20.46	20.50	20.58	21.8	0	
15	64QAM	36	0	19.53	19.51	19.54			
15	64QAM	36	20	19.60	19.56	19.54			
15	64QAM	36	39	19.50	19.55	19.49			
15	64QAM	75	0	19.47	19.48	19.48	20.8	1	
Channel				20300	20175	20325			
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	20.52	20.58	20.60			21.8
10	QPSK	1	25	20.65	20.65	20.61			
10	QPSK	1	49	20.57	20.53	20.47			
10	QPSK	25	0	20.43	20.48	20.54			
10	QPSK	25	12	20.58	20.57	20.53	21.8	0	
10	QPSK	25	25	20.47	20.51	20.55			
10	QPSK	50	0	20.45	20.48	20.48			
10	16QAM	1	0	20.40	20.42	20.51			
10	16QAM	1	25	20.47	20.51	20.56	21.8	0	
10	16QAM	1	49	20.48	20.59	20.56			
10	16QAM	25	0	20.56	20.54	20.51			
10	16QAM	25	12	20.43	20.50	20.50			
10	16QAM	25	25	20.56	20.55	20.55	21.8	0	
10	16QAM	50	0	20.55	20.50	20.53			
10	64QAM	1	0	20.44	20.51	20.41			
10	64QAM	1	25	20.45	20.47	20.46			
10	64QAM	1	49	20.51	20.49	20.50	21.8	0	
10	64QAM	25	0	19.52	19.53	19.53			
10	64QAM	25	12	19.54	19.53	19.57			
10	64QAM	25	25	19.48	19.48	19.53			
10	64QAM	50	0	19.55	19.53	19.53	20.8	1	
Channel				19375	20175	20325			
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	20.62	20.57	20.60			21.8
5	QPSK	1	12	20.55	20.64	20.64			
5	QPSK	1	24	20.47	20.46	20.52			
5	QPSK	12	0	20.42	20.52	20.54			
5	QPSK	12	7	20.53	20.49	20.52	21.8	0	
5	QPSK	12	13	20.55	20.49	20.51			
5	QPSK	25	0	20.50	20.54	20.42			
5	16QAM	1	0	20.41	20.40	20.48			
5	16QAM	1	12	20.56	20.52	20.56	21.8	0	
5	16QAM	1	24	20.51	20.54	20.48			
5	16QAM	12	0	20.54	20.49	20.55			
5	16QAM	12	7	20.48	20.48	20.51			
5	16QAM	12	13	20.49	20.52	20.51	21.8	0	
5	16QAM	25	0	20.44	20.52	20.54			
5	64QAM	1	0	20.51	20.49	20.46			
5	64QAM	1	12	20.52	20.52	20.44			
5	64QAM	1	24	20.52	20.50	20.54	21.8	0	
5	64QAM	12	0	19.51	19.50	19.54			
5	64QAM	12	7	19.54	19.59	19.59			
5	64QAM	12	13	19.54	19.55	19.56			
5	64QAM	25	0	19.46	19.47	19.52	20.8	1	
Channel				19350	20175	20325			
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	20.63	20.59	20.57			21.8
3	QPSK	1	6	20.56	20.58	20.60			
3	QPSK	1	14	20.52	20.49	20.57			
3	QPSK	8	0	20.49	20.49	20.47			
3	QPSK	8	4	20.57	20.58	20.52	21.8	0	
3	QPSK	8	7	20.51	20.48	20.52			
3	QPSK	15	0	20.47	20.45	20.44			
3	16QAM	1	0	20.44	20.43	20.51			
3	16QAM	1	8	20.51	20.55	20.52	21.8	0	
3	16QAM	1	14	20.57	20.59	20.56			
3	16QAM	8	0	20.55	20.51	20.49			
3	16QAM	8	4	20.44	20.43	20.51			
3	16QAM	8	7	20.47	20.52	20.55	21.8	0	
3	16QAM	15	0	20.46	20.56	20.51			
3	64QAM	1	0	20.53	20.49	20.52			
3	64QAM	1	8	20.46	20.55	20.54			
3	64QAM	1	14	20.52	20.55	20.50	21.8	0	
3	64QAM	8	0	19.57	19.56	19.49			
3	64QAM	8	4	19.52	19.56	19.57			
3	64QAM	8	7	19.50	19.55	19.55			
3	64QAM	15	0	19.49	19.54	19.51	20.8	1	
Channel				19357	20175	20393			
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	20.53	20.59	20.61			21.8
1.4	QPSK	1	3	20.61	20.59	20.60			
1.4	QPSK	1	6	20.56	20.58	20.58			
1.4	QPSK	3	0	20.50	20.46	20.45			
1.4	QPSK	3	1	20.60	20.57	20.50	21.8	0	
1.4	QPSK	3	3	20.49	20.50	20.52			
1.4	QPSK	6	0	20.43	20.51	20.53			
1.4	16QAM	1	0	20.48	20.40	20.48			
1.4	16QAM	1	3	20.44	20.43	20.51	21.8	0	
1.4	16QAM	1	5	20.58	20.51	20.52			
1.4	16QAM	3	0	20.55	20.47	20.49			
1.4	16QAM	3	3	20.51	20.52	20.53			
1.4	16QAM	6	0	20.55	20.50	20.52	21.8	0	
1.4	16QAM	6	3	20.48	20.49	20.50			
1.4	64QAM	1	3	20.48	20.49	20.53			
1.4	64QAM	1	5	20.56	20.54	20.52			
1.4	64QAM	3	0	20.51	20.51	20.52	21.8	0	
1.4	64QAM	3	1	20.57	20.56	20.56			
1.4	64QAM	3	2	20.59	20.58	20.58			
1.4	64QAM	6	0	19.51	19.56	19.53			

UL_CA Band 4A_Ant 31											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	Tune-up limit (dBm)	MPR (dB)			
Channel				20890	20175	20390					
Frequency (MHz)				1720	1732.5	1745					
20	QPSK	1	0	20.55	20.65	20.58	21.8	0			
20	QPSK	1	49	20.58	20.66	20.61					
20	QPSK	1	99	20.52	20.59	20.58					
20	QPSK	50	0	20.51	20.55	20.47					
20	QPSK	50	24	20.56	20.62	20.56	21.8	0			
20	QPSK	50	50	20.47	20.58	20.55					
20	QPSK	100	0	20.47	20.55	20.52					
20	16QAM	1	0	20.48	20.53	20.52					
20	16QAM	1	49	20.48	20.59	20.53	21.8	0			
20	16QAM	1	99	20.50	20.60	20.47					
20	16QAM	50	0	20.54	20.60	20.47					
20	16QAM	50	24	20.48	20.54	20.55					
20	16QAM	50	50	20.51	20.59	20.50	21.8	0			
20	16QAM	100	0	20.51	20.57	20.50					
20	64QAM	1	0	20.47	20.54	20.53					
20	64QAM	1	49	20.51	20.57	20.53					
20	64QAM	1	99	20.52	20.59	20.47	21.8	0			
20	64QAM	50	0	19.54	19.59	19.55					
20	64QAM	50	24	19.47	19.61	19.53					
20	64QAM	50	50	19.49	19.58	19.49					
20	64QAM	100	0	19.48	19.49	19.49	20.8	1			
Channel				20925	20175	20325					
Frequency (MHz)				1717.5	1732.5	1747.5					
15	QPSK	1	0	20.60	20.57	20.64	21.8	0			
15	QPSK	1	37	20.63	20.64	20.63					
15	QPSK	1	74	20.48	20.49	20.46					
15	QPSK	36	0	20.46	20.42	20.43					
15	QPSK	36	20	20.57	20.50	20.53	21.8	0			
15	QPSK	36	39	20.55	20.55	20.45					
15	QPSK	75	0	20.54	20.51	20.49					
15	16QAM	1	0	20.46	20.49	20.49					
15	16QAM	1	37	20.48	20.54	20.57	21.8	0			
15	16QAM	1	74	20.46	20.46	20.59					
15	16QAM	36	0	20.57	20.54	20.54					
15	16QAM	36	20	20.52	20.52	20.52					
15	16QAM	36	39	20.58	20.54	20.57	21.8	0			
15	16QAM	75	0	20.54	20.48	20.55					
15	64QAM	1	0	20.43	20.52	20.49					
15	64QAM	1	37	20.47	20.52	20.53					
15	64QAM	1	74	20.46	20.50	20.58	21.8	0			
15	64QAM	36	0	19.53	19.51	19.54					
15	64QAM	36	20	19.60	19.56	19.54					
15	64QAM	36	39	19.50	19.55	19.49					
15	64QAM	75	0	19.47	19.48	19.48	20.8	1			
Channel				20900 <th>20175<th>20390</th></th>	20175 <th>20390</th>	20390					
Frequency (MHz)				1715 <th>1732.5<th>1750</th></th>	1732.5 <th>1750</th>	1750					
10	QPSK	1	0	20.52	20.58	20.60	21.8	0			
10	QPSK	1	25	20.65	20.65	20.61					
10	QPSK	1	49	20.57	20.53	20.47					
10	QPSK	25	0	20.43	20.48	20.54					
10	QPSK	25	12	20.58	20.57	20.53	21.8	0			
10	QPSK	25	25	20.47	20.51	20.55					
10	QPSK	50	0	20.45	20.48	20.48					
10	16QAM	1	0	20.40	20.42	20.51					
10	16QAM	1	25	20.47	20.51	20.56	21.8	0			
10	16QAM	1	49	20.48	20.59	20.56					
10	16QAM	25	0	20.56	20.54	20.51					
10	16QAM	25	12	20.43	20.50	20.50					
10	16QAM	25	25	20.56	20.55	20.55	21.8	0			
10	16QAM	50	0	20.55	20.50	20.53					
10	64QAM	1	0	20.44	20.51	20.41					
10	64QAM	1	25	20.45	20.47	20.46					
10	64QAM	1	49	20.51	20.49	20.50	21.8	0			
10	64QAM	25	0	19.52	19.53	19.53					
10	64QAM	25	12	19.54	19.53	19.57					
10	64QAM	25	25	19.48	19.48	19.53					
10	64QAM	50	0	19.55	19.53	19.53	20.8	1			
Channel				19675 <th>20175</th> <th>20395</th>	20175	20395					
Frequency (MHz)				1712.5 <th>1732.5<th>1752.5</th></th>	1732.5 <th>1752.5</th>	1752.5					
5	QPSK	1	0	20.64	20.57	20.60	21.8	0			
5	QPSK	1	12	20.55	20.64	20.64					
5	QPSK	1	24	20.47	20.46	20.52					
5	QPSK	12	0	20.42	20.52	20.54					
5	QPSK	12	7	20.53	20.49	20.52	21.8	0			
5	QPSK	12	13	20.55	20.49	20.51					
5	QPSK	25	0	20.50	20.54	20.42					
5	16QAM	1	0	20.41	20.40	20.48					
5	16QAM	1	12	20.56	20.52	20.56	21.8	0			
5	16QAM	1	24	20.51	20.54	20.48					
5	16QAM	12	0	20.54	20.49	20.55					
5	16QAM	12	7	20.48	20.48	20.51					
5	16QAM	12	13	20.49	20.52	20.51	21.8	0			
5	16QAM	25	0	20.44	20.52	20.54					
5	64QAM	1	0	20.51	20.49	20.46					
5	64QAM	1	12	20.52	20.52	20.44					
5	64QAM	1	24	20.52	20.50	20.54	21.8	0			
5	64QAM	12	0	19.51	19.50	19.54					
5	64QAM	12	7	19.54	19.59	19.59					
5	64QAM	12	13	19.54	19.55	19.56					
5	64QAM	25	0	19.49	19.47	19.52	20.8	1			
Channel				19650 <th>20175</th> <th>20395</th>	20175	20395					
Frequency (MHz)				1711.5 <th>1732.5<th>1753.5</th></th>	1732.5 <th>1753.5</th>	1753.5					
3	QPSK	1	0	20.63	20.59	20.57	21.8	0			
3	QPSK	1	8	20.56	20.61	20.58					
3	QPSK	1	14	20.62	20.49	20.57					
3	QPSK	8	0	20.49	20.49	20.47					
3	QPSK	8	4	20.57	20.58	20.52	21.8	0			
3	QPSK	8	7	20.51	20.48	20.52					
3	QPSK	15	0	20.47	20.45	20.44					
3	16QAM	1	0	20.44	20.51	20.51					
3	16QAM	1	8	20.51	20.55	20.52	21.8	0			
3	16QAM	1	14	20.59	20.59	20.56					
3	16QAM	8	0	20.55	20.51	20.49					
3	16QAM	8	4	20.44	20.43	20.51					
3	16QAM	8	7	20.47	20.52	20.55	21.8	0			
3	16QAM	15	0	20.46	20.45	20.51					
3	64QAM	1	0	20.53	20.49	20.52					
3	64QAM	1	8	20.46	20.55	20.54					
3	64QAM	1	14	20.52	20.55	20.50	21.8	0			
3	64QAM	8	0	19.57	19.56	19.49					
3	64QAM	8	4	19.52	19.56	19.57					
3	64QAM	8	7	19.50	19.55	19.55					
3	64QAM	15	0	19.49	19.54	19.51	20.8	1			
Channel				19657 <th>20175</th> <th>20395</th>	20175	20395					
Frequency (MHz)				1710.7 <th>1732.5</th> <th>1754.3</th>	1732.5	1754.3					
1.4	QPSK	1	0	20.53	20.59	20.61	21.8	0			
1.4	QPSK	1	3	20.61	20.59	20.60					
1.4	QPSK	1	5	20.47	20.50	20.49					
1.4	QPSK	3	0	20.50	20.45	20.48					
1.4	QPSK	3	1	20.60	20.57	20.59	21.8	0			
1.4	QPSK	3	3	20.49	20.50	20.52					
1.4	QPSK	6	0	20.43	20.51	20.53					
1.4	16QAM	1	0	20.48	20.40	20.48					
1.4	16QAM	1	3	20.52	20.51	20.52	21.8	0			
1.4	16QAM	1	5	20.58	20.51	20.52					
1.4	16QAM	3	0	20.55	20.47	20.49					
1.4	16QAM	3	3	20.51	20.52	20.53					
1.4	16QAM	6	0	20.55	20.50	20.52	21.8	0			
1.4	16QAM	6	3	20.48	20.48	20.50					
1.4	64QAM	1	3	20.48	20.49	20.53					
1.4	64QAM	1	5	20.56	20.54	20.52					
1.4	64QAM	3	0	20.51	20.51	20.52	21.8	0			
1.4	64QAM	3	1	20.57	20.56	20.56					
1.4	64QAM	3	2	20.50	20.50	20.50					
1.4	64QAM	3	5	19.51	19.56	19.53					

UL_CA Band 7A_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	20.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	19.80	19.80	19.72	20.5	0	
20	QPSK	1	49	19.83	19.86	19.77			
20	QPSK	1	99	19.76	19.77	19.71			
20	QPSK	50	0	19.74	19.76	19.67			
20	QPSK	50	24	19.78	19.82	19.68			
20	QPSK	50	50	19.70	19.79	19.59	20.5	0	
20	QPSK	100	0	19.69	19.74	19.63			
20	16QAM	1	0	19.72	19.73	19.66			
20	16QAM	1	49	19.72	19.74	19.62			
20	16QAM	1	99	19.71	19.81	19.65			
20	16QAM	50	0	19.71	19.74	19.64	20.5	0	
20	16QAM	50	24	19.70	19.73	19.64			
20	16QAM	50	50	19.72	19.73	19.59			
20	16QAM	100	0	19.72	19.76	19.60			
20	64QAM	1	0	19.73	19.81	19.64			
20	64QAM	1	49	19.69	19.76	19.63	20.5	0	
20	64QAM	1	99	19.71	19.75	19.67			
20	64QAM	50	0	19.77	19.75	19.64			
20	64QAM	50	24	19.75	19.76	19.66			
20	64QAM	50	50	19.70	19.75	19.66			
20	64QAM	100	0	19.76	19.80	19.59	20.5	0	
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5	20.5	0	
15	QPSK	1	0	19.76	19.73	19.71		20.5	
15	QPSK	1	37	19.81	19.82	19.81			
15	QPSK	1	74	19.71	19.70	19.66			
15	QPSK	36	0	19.66	19.67	19.66			
15	QPSK	36	20	19.69	19.75	19.77			
15	QPSK	36	39	19.77	19.70	19.67	20.5	0	
15	QPSK	75	0	19.65	19.71	19.67			
15	16QAM	1	0	19.68	19.72	19.72			
15	16QAM	1	37	19.71	19.71	19.66			
15	16QAM	1	74	19.76	19.72	19.75			
15	16QAM	36	0	19.71	19.67	19.70	20.5	0	
15	16QAM	36	20	19.62	19.66	19.69			
15	16QAM	36	39	19.61	19.64	19.63			
15	16QAM	75	0	19.72	19.71	19.64			
15	64QAM	1	0	19.80	19.70	19.72			
15	64QAM	1	37	19.68	19.64	19.63	20.5	0	
15	64QAM	1	74	19.72	19.70	19.65			
15	64QAM	36	0	19.71	19.74	19.70			
15	64QAM	36	20	19.71	19.70	19.67			
15	64QAM	36	39	19.69	19.74	19.68			
15	64QAM	75	0	19.78	19.74	19.75	20.5	0	
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565	20.5	0	
10	QPSK	1	0	19.78	19.73	19.68		20.5	
10	QPSK	1	25	19.83	19.80	19.77			
10	QPSK	1	49	19.65	19.64	19.64			
10	QPSK	25	0	19.68	19.72	19.72			
10	QPSK	25	12	19.80	19.75	19.73			
10	QPSK	25	25	19.68	19.76	19.68	20.5	0	
10	QPSK	50	0	19.61	19.64	19.72			
10	16QAM	1	0	19.60	19.68	19.64			
10	16QAM	1	25	19.73	19.63	19.63			
10	16QAM	1	49	19.73	19.73	19.72			
10	16QAM	25	0	19.67	19.63	19.63	20.5	0	
10	16QAM	25	12	19.61	19.71	19.60			
10	16QAM	25	25	19.64	19.69	19.61			
10	16QAM	50	0	19.68	19.72	19.74			
10	64QAM	1	0	19.73	19.71	19.77			
10	64QAM	1	25	19.73	19.64	19.71	20.5	0	
10	64QAM	1	49	19.74	19.73	19.66			
10	64QAM	25	0	19.73	19.70	19.74			
10	64QAM	25	12	19.74	19.68	19.75			
10	64QAM	25	25	19.72	19.71	19.68			
10	64QAM	50	0	19.71	19.70	19.75	20.5	0	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5	20.5	0	
5	QPSK	1	0	19.76	19.69	19.72		20.5	
5	QPSK	1	12	19.81	19.80	19.75			
5	QPSK	1	24	19.73	19.69	19.70			
5	QPSK	12	0	19.65	19.68	19.71			
5	QPSK	12	7	19.76	19.71	19.80			
5	QPSK	12	13	19.75	19.68	19.74	20.5	0	
5	QPSK	25	0	19.61	19.68	19.67			
5	16QAM	1	0	19.69	19.62	19.70			
5	16QAM	1	12	19.69	19.73	19.63			
5	16QAM	1	24	19.73	19.71	19.71			
5	16QAM	12	0	19.66	19.66	19.71	20.5	0	
5	16QAM	12	7	19.68	19.67	19.62			
5	16QAM	12	13	19.69	19.67	19.67			
5	16QAM	25	0	19.68	19.71	19.63			
5	64QAM	1	0	19.68	19.72	19.78			
5	64QAM	1	12	19.64	19.64	19.73	20.5	0	
5	64QAM	1	24	19.68	19.74	19.65			
5	64QAM	12	0	19.74	19.74	19.67			
5	64QAM	12	7	19.71	19.71	19.67			
5	64QAM	12	13	19.70	19.69	19.65			
5	64QAM	25	0	19.72	19.79	19.73	20.5	0	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5	20.5	0	
5	QPSK	1	0	19.89	19.94	19.91		21	
5	QPSK	1	12	20.06	19.94	20.06			
5	QPSK	1	24	19.92	19.90	20.00			
5	QPSK	12	0	19.91	19.91	19.97			
5	QPSK	12	7	19.96	19.95	20.04			
5	QPSK	12	13	19.93	19.96	19.96	21	0	
5	QPSK	25	0	19.95	19.89	19.88			
5	16QAM	1	0	19.87	19.97	19.97			
5	16QAM	1	12	19.87	19.91	19.87			
5	16QAM	1	24	19.99	19.88	19.90			
5	16QAM	12	0	19.91	19.95	19.94	21	0	
5	16QAM	12	7	19.98	19.91	19.98			
5	16QAM	12	13	19.93	19.93	19.99			
5	16QAM	25	0	19.98	19.98	19.89			
5	64QAM	1	0	19.94	19.93	19.95			
5	64QAM	1	12	20.00	19.94	19.92	21	0	
5	64QAM	1	24	19.90	19.92	19.95			
5	64QAM	12	0	19.38	19.39	19.43			
5	64QAM	12	7	19.39	19.46	19.47			
5	64QAM	12	13	19.46	19.38	19.43			
5	64QAM	25	0	19.38	19.41	19.44	20.5	0.5	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			

UL_CA Band 7A_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	19.99	20.02	19.96	21	0	
20	QPSK	1	49	20.03	20.07	20.03			
20	QPSK	1	99	19.96	20.03	20.01			
20	QPSK	50	0	19.95	20.02	19.93			
20	QPSK	50	24	20.02	20.05	19.96			
20	QPSK	50	50	19.97	20.04	19.90	21	0	
20	QPSK	100	0	19.97	19.99	19.94			
20	16QAM	1	0	19.99	19.99	19.90	21	0	
20	16QAM	1	49	19.96	19.97	19.88			
20	16QAM	1	99	19.97	20.00	19.93			
20	16QAM	50	0	19.96	19.96	19.90			
20	16QAM	50	24	20.01	19.99	19.94			
20	16QAM	50	50	19.95	20.01	19.90	21	0	
20	16QAM	100	0	20.01	20.00	19.93			
20	64QAM	1	0	19.98	20.00	19.87			
20	64QAM	1	49	19.98	20.04	19.90			
20	64QAM	1	99	19.96	19.98	19.87			
20	64QAM	50	0	19.47	19.48	19.37	20.5	0.5	
20	64QAM	50	24	19.45	19.49	19.45			
20	64QAM	50	50	19.43	19.47	19.41			
20	64QAM	100	0	19.47	19.47	19.38			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	19.98	19.96	19.97	21	0	
15	QPSK	1	37	20.01	19.96	19.96			
15	QPSK	1	74	19.98	20.01	19.90			
15	QPSK	36	0	19.94	19.89	19.99			
15	QPSK	36	20	20.01	19.97	19.98			
15	QPSK	36	39	19.98	19.95	19.93	21	0	
15	QPSK	75	0	19.89	19.93	19.90			
15	16QAM	1	0	19.94	19.92	19.88			
15	16QAM	1	37	19.92	19.93	19.92			
15	16QAM	1	74	19.96	19.93	19.98			
15	16QAM	36	0	19.90	19.94	19.95	21	0	
15	16QAM	36	20	19.88	19.90	19.89			
15	16QAM	36	39	19.91	20.00	19.91			
15	16QAM	75	0	19.89	19.98	19.95			
15	64QAM	1	0	19.96	19.99	19.93			
15	64QAM	1	37	19.89	19.89	19.92	21	0	
15	64QAM	1	74	19.93	19.85	19.95			
15	64QAM	36	0	19.39	19.39	19.46			
15	64QAM	36	20	19.40	19.44	19.40			
15	64QAM	36	39	19.37	19.44	19.40			
15	64QAM	75	0	19.37	19.39	19.44	20.5	0.5	
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	19.92	20.01	19.99	21	0	
10	QPSK	1	25	20.04	19.96	20.05			
10	QPSK	1	49	20.00	20.01	19.99			
10	QPSK	25	0	19.95	19.99	19.91			
10	QPSK	25	12	19.99	19.97	19.98			
10	QPSK	25	25	19.91	20.01	19.94	21	0	
10	QPSK	50	0	19.92	19.86	19.89			
10	16QAM	1	0	19.93	19.88	19.96			
10	16QAM	1	25	19.85	19.93	19.88			
10	16QAM	1	49	19.96	19.92	19.89			
10	16QAM	25	0	19.84	19.90	19.93	21	0	
10	16QAM	25	12	19.86	19.92	19.89			
10	16QAM	25	25	19.98	20.00	19.92			
10	16QAM	50	0	19.87	19.93	19.94			
10	64QAM	1	0	19.86	19.91	19.87			
10	64QAM	1	25	19.96	20.00	19.98	21	0	
10	64QAM	1	49	19.97	19.93	19.86			
10	64QAM	25	0	19.40	19.43	19.47			
10	64QAM	25	12	19.46	19.42	19.45			
10	64QAM	25	25	19.37	19.44	19.39			
10	64QAM	50	0	19.46	19.40	19.44	20.5	0.5	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	19.89	19.94	19.91	21	0	
5	QPSK	1	12	20.06	19.94	20.06			
5	QPSK	1	24	19.92	19.90	20.00			
5	QPSK	12	0	19.91	19.91	19.97			
5	QPSK	12	7	19.96	19.95	20.04			
5	QPSK	12	13	19.93	19.96	19.96	21	0	
5	QPSK	25	0	19.95	19.89	19.88			
5	16QAM	1	0	19.87	19.97	19.97			
5	16QAM	1	12	19.87	19.91	19.87			
5	16QAM	1	24	19.99	19.88	19.90			
5	16QAM	12	0	19.91	19.95	19.94	21	0	
5	16QAM	12	7	19.98	19.91	19.98			
5	16QAM	12	13	19.93	19.93	19.99			
5	16QAM	25	0	19.98	19.98	19.89			
5	64QAM	1	0	19.94	19.93	19.95			
5	64QAM	1	12	20.00	19.94	19.92	21	0	
5	64QAM	1	24	19.90	19.92	19.95			
5	64QAM	12	0	19.38	19.39	19.43			
5	64QAM	12	7	19.39	19.46	19.47			
5	64QAM	12	13	19.46	19.38	19.43			
5	64QAM	25	0	19.38	19.41	19.44	20.5	0.5	



Reduced Power for DSI 4

UL_CA Band 4A_Ant 31											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Middle Ch. 2 (Freq.)	Power High Ch. 3 (Freq.)	Tune-up limit (dBm)	MPR (dB)			
Channel				20890	20175	20390					
Frequency (MHz)				1720	1732.5	1745					
20	QPSK	1	0	19.10	19.22	19.18	20.3	0			
20	QPSK	1	49	19.13	19.30	19.19					
20	QPSK	1	99	19.15	18.92	19.25					
20	QPSK	50	0	19.12	19.15	19.10					
20	QPSK	50	24	19.20	19.25	19.21	20.3	0			
20	QPSK	50	50	18.88	18.92	19.06					
20	QPSK	100	0	19.05	19.13	19.10					
20	16QAM	1	0	19.29	19.00	18.97					
20	16QAM	1	49	18.86	18.97	18.84	20.3	0			
20	16QAM	1	99	18.86	18.93	19.27					
20	16QAM	50	0	19.23	19.10	19.06					
20	16QAM	50	24	19.06	19.09	18.97					
20	16QAM	50	50	19.06	19.17	19.02	20.3	0			
20	16QAM	100	0	19.08	18.96	18.85					
20	64QAM	1	0	19.16	19.29	19.18					
20	64QAM	1	49	18.86	19.06	19.26	20.3	0			
20	64QAM	1	99	19.09	18.82	18.82					
20	64QAM	50	0	19.20	19.28	18.83					
20	64QAM	50	24	19.21	19.00	18.98	20.3	0			
20	64QAM	50	50	18.94	18.99	18.99					
20	64QAM	100	0	19.12	19.22	19.12					
Channel				20325	20175	20325					
Frequency (MHz)				1717.5	1732.5	1747.5					
15	QPSK	1	0	19.07	18.96	19.07	20.3	0			
15	QPSK	1	37	19.15	19.20	19.09					
15	QPSK	1	74	19.22	18.84	18.90					
15	QPSK	36	0	19.16	19.29	19.13					
15	QPSK	36	20	19.01	19.20	19.22	20.3	0			
15	QPSK	36	39	19.14	19.05	19.20					
15	QPSK	75	0	19.19	19.07	19.07					
15	16QAM	1	0	19.20	19.23	19.02					
15	16QAM	1	37	19.20	19.00	19.13	20.3	0			
15	16QAM	1	74	18.84	19.11	18.95					
15	16QAM	36	0	19.12	19.25	18.97					
15	16QAM	36	20	19.17	19.25	18.98	20.3	0			
15	16QAM	36	39	18.82	18.87	19.27					
15	16QAM	75	0	18.82	18.97	19.02					
15	64QAM	1	0	18.97	19.15	18.97	20.3	0			
15	64QAM	1	37	18.86	19.04	19.10					
15	64QAM	1	74	19.19	18.98	18.93					
15	64QAM	36	0	18.90	18.94	19.05	20.3	0			
15	64QAM	36	20	19.07	19.15	18.99					
15	64QAM	36	39	19.20	19.16	19.07					
15	64QAM	75	0	19.07	19.22	19.17					
Channel				20000	20175	20350					
Frequency (MHz)				1715 <th>1732.5</th> <th>1750</th> <th></th> <th colspan="2"></th>	1732.5	1750					
10	QPSK	1	0	19.09	18.94	19.10	20.3	0			
10	QPSK	1	25	19.20	19.16	18.95					
10	QPSK	1	49	19.19	19.13	19.16					
10	QPSK	25	0	19.28	19.29	18.96					
10	QPSK	25	12	19.27	19.10	19.27	20.3	0			
10	QPSK	25	25	18.85	18.91	18.82					
10	QPSK	50	0	19.07	19.19	19.26					
10	16QAM	1	0	19.28	18.82	19.08					
10	16QAM	1	25	19.13	19.20	19.18	20.3	0			
10	16QAM	1	49	19.27	18.90	19.23					
10	16QAM	25	0	19.18	18.95	19.19					
10	16QAM	25	12	19.09	18.90	18.97	20.3	0			
10	16QAM	25	25	19.29	18.95	18.95					
10	16QAM	50	0	18.98	18.99	19.15					
10	64QAM	1	0	18.80	19.11	19.20	20.3	0			
10	64QAM	1	25	18.86	19.20	19.08					
10	64QAM	1	49	19.05	18.92	19.04					
10	64QAM	25	0	18.96	19.22	18.81	20.3	0			
10	64QAM	25	12	19.18	19.20	18.90					
10	64QAM	25	25	18.98	19.01	18.94					
10	64QAM	50	0	19.20	19.10	19.18					
Channel				19375 <th>20175</th> <th>20350</th> <th></th> <th colspan="2"></th>	20175	20350					
Frequency (MHz)				1712.5 <th>1732.5<th>1752.5</th><th></th><th colspan="2"></th></th>	1732.5 <th>1752.5</th> <th></th> <th colspan="2"></th>	1752.5					
5	QPSK	1	0	19.08	18.97	18.97	20.3	0			
5	QPSK	1	12	19.15	18.83	19.19					
5	QPSK	1	24	19.05	18.87	18.84					
5	QPSK	12	0	19.06	19.29	19.07					
5	QPSK	12	7	19.08	19.20	18.97	20.3	0			
5	QPSK	12	13	19.20	19.11	19.14					
5	QPSK	25	0	19.08	18.86	18.97					
5	16QAM	1	0	18.86	19.11	19.27					
5	16QAM	1	12	19.16	18.96	18.95	20.3	0			
5	16QAM	1	24	19.09	18.88	19.05					
5	16QAM	12	0	19.13	18.88	18.86					
5	16QAM	12	7	18.85	18.98	19.20	20.3	0			
5	16QAM	12	13	18.99	19.11	19.03					
5	16QAM	25	0	18.82	19.09	19.27					
5	64QAM	1	0	18.92	19.03	19.21	20.3	0			
5	64QAM	1	12	18.88	19.20	19.07					
5	64QAM	1	24	19.19	19.01	19.03					
5	64QAM	12	0	19.25	19.18	18.92	20.3	0			
5	64QAM	12	7	19.07	19.07	19.19					
5	64QAM	12	13	19.23	19.23	18.92					
5	64QAM	25	0	18.81	19.10	19.10					
Channel				19000 <th>20175</th> <th>20350</th> <th></th> <th colspan="2"></th>	20175	20350					
Frequency (MHz)				1711.5 <th>1732.5</th> <th>1753.5</th> <th></th> <th colspan="2"></th>	1732.5	1753.5					
3	QPSK	1	0	18.85	18.86	18.82	20.3	0			
3	QPSK	1	6	19.05	18.89	18.98					
3	QPSK	1	14	19.20	19.15	18.81					
3	QPSK	8	0	18.80	19.17	19.03					
3	QPSK	8	4	19.14	18.92	19.21	20.3	0			
3	QPSK	8	7	18.93	19.27	19.00					
3	QPSK	16	0	18.94	19.25	19.20					
3	16QAM	1	0	19.04	19.01	18.95					
3	16QAM	1	8	19.03	19.28	19.13	20.3	0			
3	16QAM	1	14	19.14	19.06	19.25					
3	16QAM	8	0	18.95	18.99	19.26					
3	16QAM	8	4	19.18	19.06	19.11	20.3	0			
3	16QAM	8	7	18.84	19.05	19.18					
3	16QAM	16	0	19.10	18.93	18.86					
3	64QAM	1	0	19.25	18.86	19.04	20.3	0			
3	64QAM	1	8	19.03	18.87	19.12					
3	64QAM	1	14	19.20	19.23	18.88					
3	64QAM	8	0	18.94	19.24	19.24					
3	64QAM	8	4	19.18	18.94	18.91	20.3	0			
3	64QAM	8	7	18.95	19.12	18.94					
3	64QAM	16	0	19.10	18.96	19.06					
3	64QAM	16	8	19.07	19.15	19.03					
Channel				19000 <th>20175</th> <th>20350</th> <th></th> <th colspan="2"></th>	20175	20350					
Frequency (MHz)				1710.7 <th>1732.5</th> <th>1754.3<th></th><th colspan="2"></th></th>	1732.5	1754.3 <th></th> <th colspan="2"></th>					
1.4	QPSK	1	0	19.05	18.89	19.15	20.3	0			
1.4	QPSK	1	3	19.25	18.84	18.89					
1.4	QPSK	1	5	18.95	19.23	19.11					
1.4	QPSK	3	0	19.05	18.80	19.28					
1.4	QPSK	3	1	19.16	18.82	18.94	20.3	0			
1.4	QPSK	3	3	19.26	19.26	18.84					
1.4	QPSK	6	0	19.82	18.98	18.91					
1.4	16QAM	1	0	18.94	19.11	18.92					
1.4	16QAM	1	3	19.20	19.18	19.04	20.3	0			
1.4	16QAM	1	5	19.04	18.85	19.09					
1.4	16QAM	3	0	19.08	18.93	19.04					
1.4	16QAM	3	1	19.23	19.20	19.15					
1.4	16QAM	3	3	19.87	19.03	19.11	20.3	0			
1.4	16QAM	6	0	19.16	19.04	18.97					
1.4	16QAM	6	3	19.93	19.07	19.17					
1.4	16QAM	1	3	18.83	19.22	19.12					
1.4	64QAM	1	5	19.12	19.04	18.86	20.3	0			
1.4	64QAM	1	5	19.12	19.23	18.90					
1.4	64QAM	1	8	18.88	19.04	19.19					
1.4	64QAM	3	0	19.03	19.18	19.05					
1.4	64QAM	3	0	19.08	18.96	19.00	20.3	0			
1.4	64QAM	3	0	19.08	18.96	19.00					
1.4	64QAM	3	0	19.08	18.96	19.00					
1.4	64QAM	3	0	19.08	18.96	19.00					

UL_CA Band 4A_Ant 31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq)	Power Middle Ch. 1 (Freq)	Power High Ch. 1 (Freq)	Tune-up limit (dBm)	MPR (dB)		
Channel				20950	20175	20300				
Frequency (MHz)				1720	1732.5	1745				
20	QPSK	1	0	17.67	17.80	17.75	18.8	0		
20	QPSK	1	49	17.70	17.90	17.86				
20	QPSK	1	99	17.72	17.82	17.71				
20	QPSK	50	0	17.70	17.80	17.59				
20	QPSK	50	24	17.86	17.86	17.82	18.8	0		
20	QPSK	50	50	17.70	17.81	17.66				
20	QPSK	100	0	17.80	17.87	17.59				
20	16QAM	1	0	17.67	17.69	17.87				
20	16QAM	1	49	17.60	17.69	17.75	18.8	0		
20	16QAM	1	99	17.80	17.72	17.78				
20	16QAM	50	0	17.88	17.75	17.53				
20	16QAM	50	24	17.89	17.69	17.74				
20	16QAM	50	50	17.75	17.86	17.63	18.8	0		
20	16QAM	100	0	17.72	17.53	17.71				
20	64QAM	1	0	17.89	17.55	17.76				
20	64QAM	1	49	17.57	17.61	17.62	18.8	0		
20	64QAM	1	99	17.80	17.74	17.80				
20	64QAM	50	0	17.53	17.53	17.52				
20	64QAM	50	24	17.89	17.59	17.79				
20	64QAM	50	50	17.65	17.60	17.69	18.8	0		
20	64QAM	100	0	17.58	17.76	17.57				
Channel				20925	20175	20300	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5				
15	QPSK	1	0	17.81	17.84	17.68	18.8	0		
15	QPSK	1	37	17.73	17.65	17.77				
15	QPSK	1	74	17.56	17.86	17.65				
15	QPSK	36	0	17.83	17.77	17.50				
15	QPSK	36	20	17.87	17.86	17.82	18.8	0		
15	QPSK	36	39	17.62	17.61	17.72				
15	QPSK	75	0	17.78	17.79	17.81				
15	16QAM	1	0	17.71	17.50	17.71				
15	16QAM	1	37	17.78	17.69	17.80	18.8	0		
15	16QAM	1	74	17.80	17.72	17.72				
15	16QAM	36	0	17.67	17.72	17.52				
15	16QAM	36	20	17.75	17.61	17.70				
15	16QAM	36	39	17.78	17.64	17.87	18.8	0		
15	16QAM	75	0	17.82	17.85	17.56				
15	64QAM	1	0	17.89	17.88	17.64				
15	64QAM	1	37	17.55	17.59	17.65	18.8	0		
15	64QAM	1	74	17.53	17.74	17.86				
15	64QAM	36	0	17.52	17.64	17.78				
15	64QAM	36	20	17.51	17.85	17.79				
15	64QAM	36	39	17.73	17.62	17.67	18.8	0		
15	64QAM	75	0	17.80	17.53	17.55				
Channel				20900	20175	20300	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				1715	1732.5	1750				
10	QPSK	1	0	17.51	17.79	17.75	18.8	0		
10	QPSK	1	25	17.59	17.77	17.53				
10	QPSK	1	49	17.53	17.50	17.86				
10	QPSK	25	0	17.68	17.78	17.53				
10	QPSK	25	12	17.81	17.88	17.71	18.8	0		
10	QPSK	25	25	17.83	17.52	17.50				
10	QPSK	50	0	17.54	17.55	17.57				
10	16QAM	1	0	17.52	17.64	17.65				
10	16QAM	1	25	17.65	17.77	17.83	18.8	0		
10	16QAM	1	49	17.80	17.52	17.86				
10	16QAM	25	0	17.58	17.70	17.85				
10	16QAM	25	12	17.51	17.54	17.89				
10	16QAM	25	25	17.58	17.84	17.78	18.8	0		
10	16QAM	50	0	17.87	17.58	17.62				
10	64QAM	1	0	17.59	17.58	17.83				
10	64QAM	1	25	17.71	17.55	17.73	18.8	0		
10	64QAM	1	49	17.68	17.70	17.78				
10	64QAM	25	0	17.54	17.50	17.80				
10	64QAM	25	12	17.82	17.59	17.61				
10	64QAM	25	25	17.51	17.56	17.58	18.8	0		
10	64QAM	50	0	17.83	17.62	17.79				
Channel				19575 <th>20175</th> <th>20325</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	20175	20325	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				1712.5 <th>1732.5</th> <th>1752.5</th> <th></th> <th colspan="2"></th>	1732.5	1752.5				
5	QPSK	1	0	17.75	17.80	17.89	18.8	0		
5	QPSK	1	12	17.86	17.68	17.50				
5	QPSK	1	24	17.82	17.63	17.82				
5	QPSK	12	0	17.50	17.76	17.72				
5	QPSK	12	7	17.68	17.57	17.84	18.8	0		
5	QPSK	12	13	17.61	17.50	17.88				
5	QPSK	25	0	17.78	17.59	17.80				
5	16QAM	1	0	17.80	17.83	17.72				
5	16QAM	1	12	17.66	17.57	17.53	18.8	0		
5	16QAM	1	24	17.86	17.62	17.63				
5	16QAM	12	0	17.75	17.73	17.82				
5	16QAM	12	7	17.53	17.70	17.82				
5	16QAM	12	13	17.52	17.57	17.53	18.8	0		
5	16QAM	25	0	17.63	17.72	17.77				
5	64QAM	1	0	17.73	17.80	17.67				
5	64QAM	1	12	17.88	17.78	17.81	18.8	0		
5	64QAM	1	24	17.67	17.66	17.55				
5	64QAM	12	0	17.85	17.58	17.67				
5	64QAM	12	7	17.77	17.73	17.77				
5	64QAM	12	13	17.79	17.67	17.75	18.8	0		
5	64QAM	25	0	17.68	17.70	17.66				
Channel				19550 <th>20175</th> <th>20325</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	20175	20325	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5				
3	QPSK	1	0	17.81	17.80	17.88	18.8	0		
3	QPSK	1	8	17.86	17.75	17.62				
3	QPSK	1	14	17.54	17.81	17.88				
3	QPSK	8	0	17.57	17.50	17.67				
3	QPSK	8	4	17.72	17.66	17.80	18.8	0		
3	QPSK	8	7	17.52	17.53	17.74				
3	QPSK	15	0	17.80	17.66	17.76				
3	16QAM	1	0	17.80	17.55	17.73				
3	16QAM	1	8	17.67	17.64	17.71	18.8	0		
3	16QAM	1	14	17.85	17.72	17.61				
3	16QAM	8	0	17.71	17.88	17.51				
3	16QAM	8	4	17.50	17.84	17.53				
3	16QAM	8	7	17.89	17.76	17.62	18.8	0		
3	16QAM	15	0	17.75	17.69	17.77				
3	64QAM	1	0	17.75	17.89	17.89				
3	64QAM	1	8	17.74	17.82	17.83	18.8	0		
3	64QAM	1	14	17.74	17.73	17.70				
3	64QAM	8	0	17.61	17.55	17.85				
3	64QAM	8	4	17.58	17.62	17.68				
3	64QAM	8	7	17.66	17.56	17.55	18.8	0		
3	64QAM	15	0	17.68	17.68	17.57				
Channel				19527 <th>20175</th> <th>20325</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	20175	20325	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				1710.7 <th>1732.5</th> <th>1754.3</th> <th></th> <th colspan="2"></th>	1732.5	1754.3				
1.4	QPSK	1	0	17.75	17.81	17.81	18.8	0		
1.4	QPSK	1	3	17.65	17.80	17.65				
1.4	QPSK	1	5	17.83	17.86	17.87				
1.4	QPSK	3	0	17.57	17.84	17.85				
1.4	QPSK	3	1	17.69	17.72	17.52	18.8	0		
1.4	QPSK	3	3	17.76	17.68	17.50				
1.4	QPSK	6	0	17.79	17.60	17.86				
1.4	16QAM	1	0	17.76	17.83	17.51				
1.4	16QAM	1	3	17.77	17.56	17.50	18.8	0		
1.4	16QAM	1	5	17.86	17.64	17.53				
1.4	16QAM	3	0	17.77	17.77	17.55	18.8	0		
1.4	16QAM	3	1	17.82	17.77	17.69				
1.4	16QAM	3	3	17.89	17.67	17.63				
1.4	16QAM	6	0	17.52	17.54	17.52				
1.4	16QAM	1	0	17.74	17.52	17.50	18.8	0		
1.4	16QAM	1	3	17.84	17.71	17.86				
1.4	64QAM	1	5	17.79	17.71	17.73	18.8	0		
1.4	64QAM	1	3	17.81	17.68	17.84				
1.4	64QAM	3	1	17.69	17.68	17.82				
1.4	64QAM	3	3	17.81	17.68	17.84				
1.4	64QAM	3	3	17.81	17.68	17.84	18.8	0		
1.4	64QAM	3	3	17.81	17.68	17.84				

UL_CA Band 7A_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	15.28	15.31	15.25	16	0	
20	QPSK	1	49	15.34	15.37	15.32			
20	QPSK	1	99	15.31	15.32	15.24			
20	QPSK	50	0	15.23	15.32	15.19	16	0	
20	QPSK	50	24	15.26	15.35	15.25			
20	QPSK	50	50	15.22	15.28	15.20			
20	QPSK	100	0	15.17	15.34	15.18	16	0	
20	16QAM	1	0	15.20	15.27	15.16			
20	16QAM	1	49	15.25	15.27	15.16			
20	16QAM	1	99	15.22	15.29	15.17	16	0	
20	16QAM	50	0	15.17	15.27	15.16			
20	16QAM	50	24	15.23	15.30	15.16			
20	16QAM	50	50	15.21	15.34	15.21	16	0	
20	16QAM	100	0	15.20	15.31	15.17			
20	64QAM	1	0	15.19	15.32	15.21			
20	64QAM	1	49	15.25	15.26	15.22	16	0	
20	64QAM	1	99	15.24	15.34	15.18			
20	64QAM	50	0	15.22	15.34	15.22			
20	64QAM	50	24	15.17	15.26	15.23	16	0	
20	64QAM	50	50	15.17	15.28	15.16			
20	64QAM	100	0	15.24	15.33	15.22			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	15.28	15.20	15.24	16	0	
15	QPSK	1	37	15.30	15.29	15.31			
15	QPSK	1	74	15.21	15.31	15.24			
15	QPSK	36	0	15.20	15.28	15.22	16	0	
15	QPSK	36	20	15.23	15.28	15.31			
15	QPSK	36	39	15.27	15.21	15.18			
15	QPSK	75	0	15.28	15.22	15.27	16	0	
15	16QAM	1	0	15.15	15.22	15.22			
15	16QAM	1	37	15.26	15.14	15.23			
15	16QAM	1	74	15.19	15.22	15.23	16	0	
15	16QAM	36	0	15.26	15.18	15.14			
15	16QAM	36	20	15.17	15.25	15.19			
15	16QAM	36	39	15.28	15.27	15.23	16	0	
15	16QAM	75	0	15.29	15.19	15.26			
15	64QAM	1	0	15.29	15.31	15.27			
15	64QAM	1	37	15.15	15.20	15.23	16	0	
15	64QAM	1	74	15.31	15.30	15.23			
15	64QAM	36	0	15.27	15.27	15.27			
15	64QAM	36	20	15.25	15.18	15.23	16	0	
15	64QAM	36	39	15.25	15.25	15.22			
15	64QAM	75	0	15.28	15.30	15.28			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	15.27	15.23	15.28	16	0	
10	QPSK	1	25	15.31	15.36	15.30			
10	QPSK	1	49	15.25	15.27	15.19			
10	QPSK	25	0	15.30	15.28	15.29	16	0	
10	QPSK	25	12	15.32	15.26	15.31			
10	QPSK	25	25	15.19	15.25	15.24			
10	QPSK	50	0	15.21	15.31	15.28	16	0	
10	16QAM	1	0	15.17	15.19	15.24			
10	16QAM	1	25	15.26	15.15	15.21			
10	16QAM	1	49	15.19	15.20	15.23	16	0	
10	16QAM	25	0	15.15	15.20	15.15			
10	16QAM	25	12	15.17	15.21	15.22			
10	16QAM	25	25	15.21	15.23	15.23	16	0	
10	16QAM	50	0	15.28	15.24	15.18			
10	64QAM	1	0	15.24	15.26	15.28			
10	64QAM	1	25	15.23	15.19	15.15	16	0	
10	64QAM	1	49	15.25	15.30	15.24			
10	64QAM	25	0	15.24	15.29	15.24			
10	64QAM	25	12	15.21	15.24	15.18	16	0	
10	64QAM	25	25	15.18	15.26	15.21			
10	64QAM	50	0	15.31	15.27	15.31			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	15.29	15.27	15.21	16	0	
5	QPSK	1	12	15.33	15.26	15.25			
5	QPSK	1	24	15.31	15.24	15.27			
5	QPSK	12	0	15.21	15.20	15.31	16	0	
5	QPSK	12	7	15.28	15.27	15.30			
5	QPSK	12	13	15.23	15.21	15.21			
5	QPSK	25	0	15.23	15.28	15.26	16	0	
5	16QAM	1	0	15.18	15.19	15.25			
5	16QAM	1	12	15.24	15.22	15.25			
5	16QAM	1	24	15.26	15.18	15.24	16	0	
5	16QAM	12	0	15.21	15.21	15.16			
5	16QAM	12	7	15.17	15.26	15.24			
5	16QAM	12	13	15.23	15.29	15.29	16	0	
5	16QAM	25	0	15.18	15.21	15.29			
5	64QAM	1	0	15.21	15.18	15.18			
5	64QAM	1	12	15.17	15.11	15.23	16	0	
5	64QAM	1	24	15.21	15.29	15.28			
5	64QAM	12	0	15.26	15.29	15.32			
5	64QAM	12	7	15.22	15.24	15.19	16	0	
5	64QAM	12	13	15.19	15.21	15.21			
5	64QAM	25	0	15.30	15.23	15.28			



DL CA

Full Power																
2CC																
Configure		CA Configuration (BCS)	PCC						SCC				Power			
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)	
Inter-band		CA_4A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	22.37	22.59	
		CA_2A-5A	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	22.94	23.05	
		CA_4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	22.37	22.59	
		CA_5A-7A	Band 5	10M	836.5	20525	QPSK	1	25	Band 7	20M	2655	3100	22.73	22.89	
Intra-Band	Non-Contiguous	CA_4A-4A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	20M	2145	2300	22.51	22.59	
		CA_41A-41A	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2680	41490	22.74	22.83	
	Contiguous	CA_38C	Band 38	20M	2580	37850	QPSK	1	0	Band 38	20M	2599.8	38048	22.70	22.79	
		CA_41C	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.80	40818	22.73	22.83	

3CC																			
Configure	CA Configuration (BCS)	PCC							SCC1				SCC2				Power		
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)	
Inter-band	CA_2A-7A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	22.97	23.05	
	CA_2A-7C	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	22.95	23.05	
	CA_4A-7C	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2650.1	3051	Band 7	5M	2664.5	3195	22.55	22.59	
	CA_5A-7C	Band 5	10M	836.5	20525	QPSK	1	25	Band 7	20M	2650.1	3051	Band 7	5M	2664.5	3195	22.75	22.89	
	CA_41D	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2791	40818	Band 41	20M	2810.8	41016	22.73	22.83	



Conducted Default Power for EN-DC LTE

Band 2_Ant 13										Band 2_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
20	QPSK	1	0	22.36	22.31	22.41	23.5	0		20	QPSK	1	0	22.27	22.29	22.82	24	0	
20	QPSK	1	49	22.44	22.55	22.52				20	QPSK	1	49	22.74	22.05	23.01			
20	QPSK	1	99	22.19	22.43	22.41				20	QPSK	1	99	22.70	22.70	23.00			
20	QPSK	50	0	21.44	21.52	21.51	22.5	1		20	QPSK	50	0	21.73	21.97	21.92	23	1	
20	QPSK	50	24	21.48	21.57	21.52				20	16QAM	1	21	21.71	21.38	21.93			
20	QPSK	50	50	21.33	21.49	21.46				20	QPSK	50	50	21.69	21.96	21.89			
20	QPSK	100	0	21.39	21.53	21.50	22.5	1		20	QPSK	100	0	21.63	21.97	21.88	23	1	
20	16QAM	1	0	21.42	21.43	21.86				20	16QAM	1	21	21.71	21.38	21.93			
20	16QAM	1	49	21.86	21.42	22.03				20	16QAM	1	99	21.83	21.88	22.07			
20	16QAM	1	99	21.62	21.39	21.86	21.5	2		20	16QAM	1	99	21.44	22.08	22.22	21	1	
20	16QAM	50	0	20.47	20.34	20.70				20	16QAM	50	0	20.78	20.68	20.96			
20	16QAM	50	24	20.39	20.39	20.89				20	16QAM	50	24	20.70	20.64	21.08			
20	16QAM	50	50	20.27	20.36	20.65	21.5	2		20	16QAM	50	50	20.70	20.72	20.05	22	2	
20	16QAM	100	0	20.32	20.33	20.68				20	16QAM	100	0	20.66	20.66	20.96			
20	64QAM	1	0	20.58	20.50	20.43				20	64QAM	1	0	20.67	20.64	20.73			
20	64QAM	1	49	20.30	20.15	20.32	21.5	2		20	64QAM	1	49	20.30	20.70	21.07	22	1	
20	64QAM	1	99	20.31	20.51	20.73				20	64QAM	1	99	20.83	20.66	21.07			
20	64QAM	50	0	19.32	19.33	19.73				20	64QAM	50	0	19.78	19.63	19.87			
20	64QAM	50	24	19.35	19.30	19.67	20.5	3		20	64QAM	50	24	19.71	19.64	20.55	21	1	
20	64QAM	50	50	19.21	19.32	19.69				20	64QAM	50	50	19.64	19.51	19.97			
20	64QAM	100	0	19.30	19.29	19.67				20	64QAM	100	0	19.66	19.64	20.96			
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
15	QPSK	1	0	22.15	22.27	22.31	23.5	0		15	QPSK	1	0	22.27	22.46	22.43	24	0	
15	QPSK	1	37	22.47	22.32	22.48				15	QPSK	1	37	22.37	22.47	22.83			
15	QPSK	1	74	22.47	22.22	22.49				15	QPSK	1	74	22.29	22.44	22.81			
15	QPSK	36	0	21.45	21.38	21.64	22.5	1		15	QPSK	36	0	21.50	21.53	21.79	23	1	
15	QPSK	36	36	21.43	21.38	21.68				15	QPSK	36	36	21.48	21.54	21.82			
15	QPSK	36	39	21.38	21.31	21.68				15	QPSK	36	39	21.42	21.54	21.78			
15	QPSK	75	0	21.38	21.39	21.71	22.5	1		15	QPSK	75	0	21.50	21.50	21.81	23	1	
15	16QAM	1	0	21.23	21.60	21.47				15	16QAM	1	0	21.53	21.81	21.96			
15	16QAM	1	74	21.37	21.45	22.35				15	16QAM	1	74	21.49	21.75	21.67			
15	16QAM	1	74	21.45	21.65	21.61	21.5	2		15	16QAM	1	74	21.49	21.75	21.67	22	2	
15	16QAM	36	0	20.39	20.36	20.70				15	16QAM	36	0	20.42	20.56	20.74			
15	16QAM	36	20	20.37	20.37	20.74				15	16QAM	36	20	20.68	20.57	20.76			
15	16QAM	36	39	20.30	20.35	20.54	21.5	2		15	16QAM	36	39	20.30	20.62	20.64	22	2	
15	16QAM	75	0	20.40	20.33	20.70				15	16QAM	75	0	20.64	20.00	20.72			
15	64QAM	1	0	20.28	20.07	20.80				15	64QAM	1	0	20.58	20.28	20.89			
15	64QAM	1	37	20.62	20.66	20.71	21.5	2		15	64QAM	1	37	20.80	20.66	20.89	22	2	
15	64QAM	1	74	20.43	20.59	20.53				15	64QAM	1	74	20.58	20.51	20.81			
15	64QAM	36	0	19.35	19.32	19.72				15	64QAM	36	0	19.66	19.39	19.78			
15	64QAM	36	20	19.40	19.37	19.71	20.5	3		15	64QAM	36	20	19.69	19.39	19.74	21	3	
15	64QAM	36	39	19.36	19.31	19.69				15	64QAM	36	39	19.54	19.33	19.91			
15	64QAM	75	0	19.37	19.32	19.63				15	64QAM	75	0	19.63	19.37	19.81			
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
10	QPSK	1	0	22.53	22.37	22.54	23.5	0		10	QPSK	1	0	22.41	22.38	22.72	24	0	
10	QPSK	1	25	22.41	22.35	22.53				10	QPSK	1	25	22.63	22.52	22.95			
10	QPSK	1	49	22.36	22.32	22.46				10	QPSK	1	49	22.39	22.41	22.86			
10	QPSK	25	0	21.37	21.34	21.76	22.5	1		10	QPSK	25	0	21.40	21.45	21.84	23	1	
10	QPSK	25	12	21.47	21.32	21.73				10	QPSK	25	12	21.44	21.36	21.84			
10	QPSK	25	25	21.44	21.41	21.76				10	QPSK	25	25	21.46	21.46	21.82			
10	QPSK	50	0	21.47	21.41	21.76	22.5	1		10	QPSK	50	0	21.50	21.45	21.84	23	1	
10	16QAM	1	0	21.70	21.81	21.67				10	16QAM	1	0	21.28	21.85	21.93			
10	16QAM	1	25	21.48	21.65	21.82				10	16QAM	1	25	21.46	21.51	21.86			
10	16QAM	1	49	21.61	21.69	21.75	21.5	2		10	16QAM	1	49	21.53	21.73	21.73	23	1	
10	16QAM	25	0	20.46	20.40	20.79				10	16QAM	25	0	20.38	20.48	20.78			
10	16QAM	25	12	20.43	20.42	20.88				10	16QAM	25	12	20.49	20.33	20.81			
10	16QAM	25	25	20.39	20.33	20.81	21.5	2		10	16QAM	25	25	20.52	20.37	20.84	22	2	
10	16QAM	50	0	20.43	20.31	20.77				10	16QAM	50	0	20.49	20.33	20.81			
10	64QAM	1	0	20.57	20.58	20.89				10	64QAM	1	0	20.51	20.62	20.98			
10	64QAM	1	25	20.48	20.42	20.51	21.5	2		10	64QAM	1	25	20.54	20.38	20.80	22	2	
10	64QAM	1	49	20.42	20.36	20.44				10	64QAM	1	49	20.43	20.54	21.04			
10	64QAM	25	0	19.38	19.38	19.80				10	64QAM	25	0	19.62	19.32	19.87			
10	64QAM	25	12	19.40	19.33	19.63	20.5	3		10	64QAM	25	12	19.48	19.32	19.84	21	3	
10	64QAM	25	25	19.39	19.36	19.76				10	64QAM	25	25	19.52	19.36	19.78			
10	64QAM	50	0	19.40	19.34	19.76				10	64QAM	50	0	19.45	19.31	19.77			
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
5	QPSK	1	0	22.42	22.45	22.51	23.5	0		5	QPSK	1	0	22.38	22.49	22.77	24	0	
5	QPSK	1	12	22.42	22.49	22.52				5	QPSK	1	12	22.52	22.46	22.77			
5	QPSK	1	24	22.48	22.36	22.51				5	QPSK	1	24	22.47	22.47	22.81			
5	QPSK	12	0	21.38	21.44	21.77	22.5	1		5	QPSK	12	0	21.46	21.48	21.84	23	1	
5	QPSK	12	7	21.41	21.33	21.70				5	QPSK	12	7	21.47	21.40	21.81			
5	QPSK	12	13	21.36	21.34	21.65				5	QPSK	12	13	21.46	21.39	21.74			
5	QPSK	25	0	21.43	21.37	21.68	22.5	1		5	QPSK	25	0	21.50	21.48	21.78	23	1	
5	16QAM	1	0	21.57	21.25	22.06				5	16QAM	1	0	21.59	21.85	21.82			
5	16QAM	1	12	21.49	21.20	22.02				5	16QAM	1	12	21.61	21.70	21.84			
5	16QAM	1	24	21.71	21.43	21.84	21.5	2		5	16QAM	1	24	21.56	21.49	22.00	23	1	
5	16QAM	12	0	20.31	20.36	20.76				5	16QAM	12	0	20.42	20.42	20.86			
5	16QAM	12	7	20.42	20.28	20.83				5	16QAM	12	7	20.45	20.43	20.79			
5	16QAM	12	13	20.38	20.28	20.56	21.5	2		5	16QAM	12	13	20.42	20.42	20.78	22	2	
5	16QAM	25	0	20.35	20.34	20.72				5	16QAM	25	0	20.47	20.39	20.76			
5	64QAM	1	0	20.66	20.69	20.99				5	64QAM	1	0	20.67	20.67	20.97			
5	64QAM	1	12	20.22	20.38	21.05	21.5	2		5	64QAM	1	12	20.70	20.26	20.82	22	2	
5	64QAM	1	24	20.73	20.65	20.93				5	64QAM	1	24	20.76	20.61	20.98			
5	64QAM	12	0	19.43	19.33	19.67				5	64QAM	12	0	19.40	19.53	19.72			
5	64QAM	12	7	19.37	19.32	19.62	20.5	3		5	64QAM	12	7	19.42	19.39	19.78	21	3	
5	64QAM	12	13	19.31	19.33	19.75				5	64QAM	12	13	19.45	19.37	19.72			
5	64QAM	25	0	19.27	19.29	19.53				5	64QAM	25	0	19.49	19.39	19.76			



Conducted Default Power for EN-DC LTE

Band 4_Ant 13										Band 4_Ant 31									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
20	QPSK	1	0	22.14	22.07	22.09	23.5	0		20	QPSK	1	0	22.26	22.22	22.31	24	0	
20	QPSK	1	49	22.20	22.22	22.14				20	QPSK	1	49	22.29	22.30	22.28			
20	QPSK	1	99	21.93	22.07	21.85				20	QPSK	1	99	22.41	22.37	22.32			
20	QPSK	50	0	21.17	20.97	21.22				20	QPSK	50	0	21.51	21.54	21.54			
20	QPSK	50	24	21.21	21.09	21.23	22.5	1		20	QPSK	50	24	21.55	21.56	21.54	23	1	
20	QPSK	100	0	21.19	21.23	21.14				20	QPSK	100	0	21.48	21.52	21.50			
20	16QAM	1	0	21.57	21.56	21.16				20	16QAM	1	0	21.48	21.53	21.51			
20	16QAM	1	49	21.06	21.26	21.37				20	16QAM	1	49	21.06	21.26	21.37			
20	16QAM	1	99	21.11	21.16	20.84	22.5	1		20	16QAM	1	99	21.09	21.29	22.00	23	1	
20	16QAM	50	0	20.20	20.02	20.21				20	16QAM	50	0	20.51	20.32	20.51			
20	16QAM	50	24	20.10	20.08	20.10				20	16QAM	50	24	20.40	20.37	20.40			
20	16QAM	100	0	20.13	20.05	20.16				20	16QAM	100	0	20.47	20.31	20.45			
20	16QAM	100	0	20.19	20.04	20.11	21.5	2		20	16QAM	100	0	20.46	20.24	20.48	22	2	
20	64QAM	1	0	20.18	20.09	20.22				20	64QAM	1	0	20.56	20.34	20.68			
20	64QAM	1	49	20.33	20.23	20.29				20	64QAM	1	49	20.52	20.42	20.58			
20	64QAM	1	99	20.12	19.87	20.10				20	64QAM	1	99	20.37	20.02	20.45			
20	64QAM	50	0	19.37	19.22	19.40	20.5	3		20	64QAM	50	0	19.68	19.39	19.66	21	3	
20	64QAM	50	24	19.40	19.25	19.36				20	64QAM	50	24	19.61	19.45	19.62			
20	64QAM	50	50	19.33	19.22	19.29				20	64QAM	50	50	19.63	19.51	19.60			
20	64QAM	100	0	19.40	19.16	19.28				20	64QAM	100	0	19.64	19.45	19.66			
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
15	QPSK	1	0	22.06	22.10	22.08	23.5	0		15	QPSK	1	0	22.56	22.56	22.53	24	0	
15	QPSK	1	37	22.12	22.12	22.17				15	QPSK	1	37	22.57	22.57	22.57			
15	QPSK	1	74	21.98	22.16	21.96				15	QPSK	1	74	22.22	22.32	22.44			
15	QPSK	36	0	21.22	21.05	21.17				15	QPSK	36	0	21.48	21.36	21.48			
15	QPSK	36	39	21.20	21.11	21.17	22.5	1		15	QPSK	36	39	21.41	21.36	21.41	23	1	
15	QPSK	36	75	21.07	21.08	21.17				15	QPSK	36	75	21.29	21.42	21.43			
15	QPSK	75	0	21.16	21.12	21.17				15	QPSK	75	0	21.38	21.39	21.40			
15	16QAM	1	0	21.57	21.34	21.40				15	16QAM	1	0	21.86	21.97	21.41			
15	16QAM	1	74	21.41	21.35	21.21	22.5	1		15	16QAM	1	74	21.42	21.62	21.19	23	1	
15	16QAM	1	74	21.46	21.10	21.11				15	16QAM	1	74	21.48	21.68	21.31			
15	16QAM	36	0	20.16	20.03	20.19				15	16QAM	36	0	20.52	20.34	20.38			
15	16QAM	36	39	20.24	20.17	20.15				15	16QAM	36	39	20.53	20.37	20.42			
15	16QAM	36	75	20.05	20.10	20.07	21.5	2		15	16QAM	36	75	20.05	20.10	20.07	22	2	
15	16QAM	75	0	20.11	20.04	20.19				15	16QAM	75	0	20.46	20.40	20.38			
15	64QAM	1	0	20.43	20.38	20.04				15	64QAM	1	0	20.53	20.78	20.36			
15	64QAM	1	37	20.48	20.21	20.11				15	64QAM	1	37	20.62	20.49	20.64			
15	64QAM	1	74	20.29	20.25	20.05	20.5	3		15	64QAM	1	74	20.29	20.25	20.05	21	3	
15	64QAM	36	0	19.34	19.31	19.34				15	64QAM	36	0	19.69	19.58	19.58			
15	64QAM	36	39	19.28	19.22	19.30				15	64QAM	36	39	19.61	19.66	19.63			
15	64QAM	36	75	19.20	19.25	19.30				15	64QAM	36	75	19.61	19.51	19.62			
15	64QAM	75	0	19.36	19.23	19.29	Channel	20600	20175	20300	Tune-up limit (dBm)	MPR (dB)							
Frequency (MHz)										Frequency (MHz)									
10	QPSK	1	0	22.14	22.18	22.16	23.5	0		10	QPSK	1	0	22.55	22.43	22.44	24	0	
10	QPSK	1	25	22.14	22.12	22.17				10	QPSK	1	25	22.57	22.45	22.46			
10	QPSK	1	49	22.18	22.00	22.03				10	QPSK	1	49	22.30	22.24	22.23			
10	QPSK	25	0	21.23	21.13	21.23				10	QPSK	25	0	21.48	21.35	21.44			
10	QPSK	25	12	21.17	21.12	21.22	22.5	1		10	QPSK	25	12	21.44	21.36	21.43	23	1	
10	QPSK	25	25	21.25	21.10	21.15				10	QPSK	25	25	21.44	21.36	21.43			
10	QPSK	50	0	21.21	21.19	21.22				10	QPSK	50	0	21.52	21.38	21.43			
10	16QAM	1	0	21.40	21.64	21.60				10	16QAM	1	0	21.88	21.89	21.66			
10	16QAM	1	25	21.39	21.62	21.59	22.5	1		10	16QAM	1	25	21.56	21.84	21.83	23	1	
10	16QAM	1	49	21.41	21.13	21.21				10	16QAM	1	49	21.42	21.36	21.41			
10	16QAM	25	0	20.26	20.13	20.22				10	16QAM	25	0	20.55	20.30	20.55			
10	16QAM	25	12	20.21	20.10	20.17				10	16QAM	25	12	20.44	20.43	20.43			
10	16QAM	25	25	20.15	20.06	20.17	21.5	2		10	16QAM	25	25	20.42	20.30	20.31	22	2	
10	16QAM	50	0	20.20	20.14	20.19				10	16QAM	25	25	20.46	20.34	20.46			
10	64QAM	1	0	20.50	20.37	20.48				10	64QAM	1	0	20.49	20.18	20.53			
10	64QAM	1	25	20.58	20.33	20.41				10	64QAM	1	25	20.77	20.23	20.75			
10	64QAM	1	49	20.19	20.25	20.13	21.5	2		10	64QAM	1	49	20.17	20.31	20.15	22	2	
10	64QAM	25	0	19.42	19.30	19.40				10	64QAM	25	0	19.72	19.42	19.65			
10	64QAM	25	12	19.37	19.31	19.28				10	64QAM	25	12	19.55	19.51	19.61			
10	64QAM	25	25	19.38	19.25	19.32				10	64QAM	25	25	19.62	19.43	19.60			
10	64QAM	50	0	19.33	19.32	19.39	Channel	19975	20175	20375	Tune-up limit (dBm)	MPR (dB)							
Frequency (MHz)										Frequency (MHz)									
5	QPSK	1	0	22.17	22.14	22.13	23.5	0		5	QPSK	1	0	22.46	22.48	22.47	24	0	
5	QPSK	1	12	22.17	22.16	22.20				5	QPSK	1	12	22.57	22.52	22.38			
5	QPSK	1	24	22.12	22.11	22.06				5	QPSK	1	24	22.52	22.36	22.35			
5	QPSK	12	0	21.23	21.15	21.19				5	QPSK	12	0	21.52	21.42	21.43			
5	QPSK	12	7	21.18	21.09	21.12	22.5	1		5	QPSK	12	7	21.45	21.38	21.43	23	1	
5	QPSK	12	15	21.07	21.07	21.12				5	QPSK	12	15	21.39	21.37	21.38			
5	QPSK	25	0	21.16	21.11	21.15				5	QPSK	25	0	21.41	21.42	21.42			
5	16QAM	1	0	21.65	21.47	21.63				5	16QAM	1	0	21.98	21.55	21.93			
5	16QAM	1	12	21.61	21.51	21.24	22.5	1		5	16QAM	1	12	21.59	21.51	21.82	23	1	
5	16QAM	1	24	21.19	21.43	20.83				5	16QAM	1	24	21.76	21.75	21.74			
5	16QAM	12	0	20.14	20.12	20.10				5	16QAM	12	0	20.43	20.37	20.40			
5	16QAM	12	7	20.11	20.05	20.09				5	16QAM	12	7	20.41	20.37	20.35			
5	16QAM	12	15	19.98	20.09	20.15	21.5	2		5	16QAM	12	15	20.33	20.34	20.36	22	2	
5	16QAM	25	0	20.10	20.07	20.10				5	16QAM	25	0	20.42	20.30	20.47			
5	64QAM	1	0	20.48	20.43	20.40				5	64QAM	1	0	20.49	20.42	20.47			
5	64QAM	1	12	20.06	20.35	20.22				5	64QAM	1	12	20.45	20.52	20.29			
5	64QAM	1	24	20.30	20.46	20.32	21.5	2		5	64QAM	1	24	20.61	20.36	20.32	21	3	
5	64QAM	12	0	19.42	19.27	19.29				5	64QAM	12	0	19.68	19.58	19.65			
5	64QAM	12	7	19.34	19.19	19.29				5	64QAM	12	7	19.69	19.52	19.61			
5	64QAM	12	15	19.24	19.30	19.28				5	64QAM	12	15	19.66	19.62	19.64			
5	64QAM	25	0	19.28	19.31	19.30	Channel	1711.5	1732.5	1753.5	Tune-up limit (dBm)	MPR (dB)							
Frequency (MHz)										Frequency (MHz)									
3	QPSK	1	0	22.16	22.08	22.12	23.5	0		3	QPSK	1	0	22.49	22.49	22.45	24	0	
3	QPSK	1	8	22.18	22.07	22.05				3	QPSK	1	8	22.39	22.33	22.31			
3	QPSK	1	14	22.11	22.19	22.18				3	QPSK	1	14	22.55	22.48	22.35			
3	QPSK	8	0	21.19	21.11	21.15				3	QPSK	8	0	21.47	21.38	21.43			
3	QPSK	8	4	21.16	21.07	21.10	22.5	1		3	QPSK	8	4	21.49	21.37	21.40	23	1	
3	QPSK	8	7	21.13	21														

Band 5_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				20450	20525	20600			
10	QPSK	1	0	22.60	22.65	22.57	24.5	0	
10	QPSK	1	25	22.71	22.81	22.81			
10	QPSK	1	49	22.70	22.67	22.73			
10	QPSK	25	0	21.68	21.83	21.83	23.5	1	
10	QPSK	25	12	21.72	21.88	21.84			
10	QPSK	25	25	21.71	21.68	21.69			
10	QPSK	50	0	21.75	21.75	21.75	23.5	1	
10	16QAM	1	0	22.05	22.10	21.87			
10	16QAM	1	25	22.28	22.04	21.85			
10	16QAM	1	49	22.07	21.83	22.24	22.5	2	
10	16QAM	25	0	20.68	20.86	20.91			
10	16QAM	25	12	20.65	20.73	20.86			
10	16QAM	25	25	20.64	20.68	20.71	22.5	2	
10	16QAM	50	0	20.74	20.75	20.79			
10	64QAM	1	0	20.75	20.92	20.92			
10	64QAM	1	25	20.72	20.75	21.02	22.5	2	
10	64QAM	1	49	20.84	20.95	20.75			
10	64QAM	25	0	19.68	19.82	19.84			
10	64QAM	25	12	19.64	19.75	19.80	21.5	3	
10	64QAM	25	25	19.68	19.69	19.72			
10	64QAM	50	0	19.67	19.71	19.78			
Channel				20425	20525	20605	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				20425	20525	20605			
5	QPSK	1	0	22.84	22.83	22.83	24.5	0	
5	QPSK	1	12	22.82	22.83	22.83			
5	QPSK	1	24	22.84	22.75	22.84			
5	QPSK	12	0	21.83	21.89	22.00	23.5	1	
5	QPSK	12	7	21.80	21.85	21.90			
5	QPSK	12	13	21.80	21.79	21.78			
5	QPSK	25	0	21.79	21.90	21.93	23.5	1	
5	16QAM	1	0	21.91	22.22	22.23			
5	16QAM	1	25	22.28	22.11	22.35			
5	16QAM	1	24	22.27	21.99	21.88	22.5	2	
5	16QAM	12	0	20.78	20.88	20.88			
5	16QAM	12	7	20.83	20.78	20.78			
5	16QAM	12	13	20.81	20.80	20.74	22.5	2	
5	16QAM	25	0	20.83	20.84	20.82			
5	64QAM	1	0	20.98	21.09	21.04			
5	64QAM	1	12	20.71	21.13	21.25	22.5	2	
5	64QAM	1	24	20.95	20.75	21.07			
5	64QAM	12	0	19.71	19.85	19.84			
5	64QAM	12	7	19.90	19.80	19.92	21.5	3	
5	64QAM	12	13	19.77	19.68	19.93			
5	64QAM	25	0	19.70	19.75	19.80			
Channel				20415	20525	20635	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				20415	20525	20635			
3	QPSK	1	0	22.75	22.81	22.85	24.5	0	
3	QPSK	1	8	22.82	22.71	22.81			
3	QPSK	1	14	22.77	22.82	22.78			
3	QPSK	8	0	21.76	21.85	21.90	23.5	1	
3	QPSK	8	4	21.80	21.85	21.89			
3	QPSK	8	7	21.77	21.80	21.88			
3	QPSK	15	0	21.76	21.89	21.90	23.5	1	
3	16QAM	1	0	21.83	21.74	22.09			
3	16QAM	1	8	22.22	22.22	21.99			
3	16QAM	1	14	22.11	22.14	22.37	22.5	2	
3	16QAM	8	0	20.72	20.75	21.01			
3	16QAM	8	4	20.83	20.82	20.88			
3	16QAM	8	7	20.84	20.90	20.89	22.5	2	
3	16QAM	15	0	20.75	20.71	20.92			
3	64QAM	1	0	21.03	21.05	20.91			
3	64QAM	1	8	21.14	20.85	20.87	22.5	2	
3	64QAM	1	14	21.01	21.09	20.85			
3	64QAM	8	0	19.65	19.82	20.02			
3	64QAM	8	4	19.73	19.67	19.90	21.5	3	
3	64QAM	8	7	19.78	19.75	19.77			
3	64QAM	15	0	19.76	19.72	19.75			
Channel				20407	20525	20643	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				20407	20525	20643			
1.4	QPSK	1	0	22.75	22.77	22.81	24.5	0	
1.4	QPSK	1	3	22.61	22.63	22.84			
1.4	QPSK	1	5	22.72	22.75	22.83			
1.4	QPSK	3	0	22.78	22.75	22.81	23.5	1	
1.4	QPSK	3	1	22.83	22.76	22.84			
1.4	QPSK	3	3	22.80	22.79	22.80			
1.4	QPSK	6	0	21.77	21.86	21.87	23.5	1	
1.4	16QAM	1	0	22.32	22.27	22.35			
1.4	16QAM	1	3	22.07	22.05	22.38			
1.4	16QAM	1	5	22.20	21.99	22.12	23.5	1	
1.4	16QAM	3	0	21.83	21.93	21.92			
1.4	16QAM	3	1	21.84	21.92	21.85			
1.4	16QAM	3	3	21.72	21.72	21.85	22.5	2	
1.4	16QAM	6	0	20.80	20.83	20.90			
1.4	64QAM	1	0	20.97	20.83	21.20			
1.4	64QAM	1	3	20.98	20.78	21.10	22.5	2	
1.4	64QAM	1	5	20.57	21.09	20.64			
1.4	64QAM	3	0	20.90	20.82	21.01			
1.4	64QAM	3	1	20.82	20.90	21.01	21.5	3	
1.4	64QAM	3	3	20.82	20.88	20.97			
1.4	64QAM	6	0	19.65	19.87	19.83			

Band 5_Ant 41												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)				
Channel				20450	20525	20600						
Frequency (MHz)				20450	20525	20600						
10	QPSK	1	0	22.65	22.72	22.79	24.5	0				
10	QPSK	1	25	22.81	22.84	22.82						
10	QPSK	1	49	22.78	22.74	22.67						
10	QPSK	25	0	21.84	21.74	21.77	23.5	1				
10	QPSK	25	12	21.72	21.75	21.78						
10	QPSK	25	25	21.68	21.66	21.63						
10	QPSK	50	0	21.71	21.80	21.76	23.5	1				
10	16QAM	1	0	21.77	21.64	22.02						
10	16QAM	1	25	22.10	22.09	21.92						
10	16QAM	1	49	21.75	22.03	21.84	22.5	2				
10	16QAM	25	0	20.74	20.74	20.63						
10	16QAM	25	12	20.74	20.62	20.68						
10	16QAM	25	25	20.68	20.85	20.56	22.5	2				
10	16QAM	50	0	20.69	20.72	20.78						
10	64QAM	1	0	20.63	20.74	20.67						
10	64QAM	1	25	20.90	20.97	21.05	22.5	2				
10	64QAM	1	49	20.71	21.07	21.00						
10	64QAM	25	0	19.77	19.94	19.93						
10	64QAM	25	12	19.83	19.91	19.95	21.5	3				
10	64QAM	25	25	19.90	19.79	19.81						
10	64QAM	50	0	19.89	19.83	19.90						
Channel				20425	20525	20625	Turn-up limit (dBm)	MPR (dB)				
Frequency (MHz)				20425	20525	20625						
5	QPSK	1	0	22.71	22.65	22.73	24.5	0				
5	QPSK	1	12	22.64	22.64	22.68						
5	QPSK	1	24	22.65	22.68	22.78						
5	QPSK	12	0	21.60	21.65	21.86	23.5	1				
5	QPSK	12	7	21.61	21.61	21.75						
5	QPSK	12	13	21.67	21.58	21.66						
5	QPSK	25	0	21.66	21.58	21.68	23.5	1				
5	16QAM	1	0	21.81	21.74	21.88						
5	16QAM	1	12	22.05	21.76	21.84						
5	16QAM	1	24	22.05	22.14	22.16	22.5	2				
5	16QAM	12	0	20.64	20.62	20.73						
5	16QAM	12	7	20.60	20.53	20.69						
5	16QAM	12	13	20.66	20.61	20.57	22.5	2				
5	16QAM	25	0	20.65	20.56	20.65						
5	16QAM	25	12	20.65	20.53	21.01						
5	64QAM	1	0	20.65	20.67	20.91	22.5	2				
5	64QAM	1	12	20.65	20.57	20.91						
5	64QAM	1	24	20.69	20.53	20.70						
5	64QAM	12	0	19.77	19.77	19.82	21.5	3				
5	64QAM	12	7	19.71	19.86	19.97						
5	64QAM	12	13	19.75	19.79	19.88						
5	64QAM	25	0	19.75	19.77	19.93	21.5	3				
Channel <th>20425</th> <th>20525</th> <th>20625</th> <th>Turn-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>				20425	20525	20625				Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz) <th>20425</th> <th>20525</th> <th>20625</th> <th></th> <th colspan="2"></th>				20425	20525	20625						
1.4	QPSK	1	0	22.51	22.64	22.78	24.5	0				
1.4	QPSK	1	3	22.63	22.64	22.78						
1.4	QPSK	1	5	22.81	22.63	22.76						
1.4	QPSK	3	0	22.56	22.72	22.81	23.5	1				
1.4	QPSK	3	3	22.73	22.67	22.76						
1.4	QPSK	6	0	21.71	21.70	21.75						
1.4	16QAM	1	0	21.71	21.64	22.15	23.5	1				
1.4	16QAM	1	3	22.11	22.17	22.16						
1.4	16QAM	1	5	21.72	21.68	22.23						
1.4	16QAM	3	0	21.68	21.62	21.77	22.5	2				
1.4	16QAM	3	3	21.73	21.74	21.70						
1.4	16QAM	3	5	21.77	21.67	21.83						
1.4	16QAM	6	0	20.78	20.73	20.86	22.5	2				
1.4	16QAM	6	3	20.80	20.64	20.80						
1.4	16QAM	6	5	20.80	20.80	20.80						
1.4	16QAM	1	5	20.68	20.84	20.92	22.5	2				
1.4	16QAM	3	5	20.68	20.85	20.90						
1.4	16QAM	3	1	20.57	20.81	20.96						
1.4	16QAM	6	5	20.78	20.90	20.99	21.5	3				
1.4	16QAM	6	1	19.83	19.87	19.79						
1.4	16QAM	6	3	19.83	19.87	19.95						

Band 7_Ant 13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				20650	21100	21350				
20	QPSK	1	0	21.89	21.75	21.86	23	0		
20	QPSK	1	49	21.95	21.90	21.83				
20	QPSK	1	99	21.91	21.75	21.92				
20	QPSK	50	0	20.86	20.85	20.86	22	1		
20	QPSK	50	24	20.90	21.00	21.15				
20	QPSK	50	50	20.86	20.83	21.03				
20	16QAM	1	0	20.82	21.37	20.75	22	1		
20	16QAM	1	49	20.93	20.74	21.36				
20	16QAM	1	99	21.36	20.89	21.35				
20	16QAM	50	0	19.80	19.75	20.02	21	2		
20	16QAM	50	24	19.86	19.92	20.35				
20	16QAM	50	50	19.83	19.85	20.21				
20	16QAM	100	0	19.80	19.73	20.02	20	3		
20	64QAM	1	0	20.16	20.05	20.12				
20	64QAM	1	49	20.17	20.05	20.12				
20	64QAM	1	99	19.71	20.07	20.32	21	2		
20	64QAM	50	0	18.83	18.78	19.01				
20	64QAM	50	24	18.90	18.83	19.03				
20	64QAM	50	50	18.82	18.75	19.18	20	3		
20	64QAM	100	0	18.79	18.76	19.00				
Channel										
Frequency (MHz)				20625	21100	21375	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	21.82	21.80	21.81	23	0		
15	QPSK	1	37	21.86	21.96	21.97				
15	QPSK	1	74	21.73	21.95	21.98				
15	QPSK	36	0	20.83	20.82	21.07	22	1		
15	QPSK	36	20	21.03	20.90	21.14				
15	QPSK	36	39	21.02	20.92	21.20				
15	QPSK	75	0	21.00	20.93	21.19	22	1		
15	16QAM	1	0	21.49	21.22	21.50				
15	16QAM	1	37	21.54	21.25	21.50				
15	16QAM	1	74	21.34	21.04	21.41	21	2		
15	16QAM	36	0	19.96	19.91	20.10				
15	16QAM	36	20	19.97	19.88	20.08				
15	16QAM	36	39	19.98	19.80	20.15	21	2		
15	16QAM	75	0	20.02	19.99	20.15				
15	64QAM	1	0	20.06	19.90	20.22				
15	64QAM	1	37	20.08	20.12	20.36	21	2		
15	64QAM	1	74	19.97	20.14	20.13				
15	64QAM	36	0	18.89	18.86	19.09				
15	64QAM	36	20	19.06	18.86	19.12	20	3		
15	64QAM	36	39	18.87	18.87	19.19				
15	64QAM	75	0	18.89	18.82	19.07				
Channel										
Frequency (MHz)				20600	21100	21400	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	21.90	21.91	21.89	23	0		
10	QPSK	1	25	21.96	21.98	21.97				
10	QPSK	1	49	21.92	21.97	21.95				
10	QPSK	25	0	20.88	20.99	21.01	22	1		
10	QPSK	25	12	21.04	20.97	21.05				
10	QPSK	25	25	21.03	20.99	21.14				
10	QPSK	50	0	20.97	21.01	21.13	22	1		
10	16QAM	1	0	21.46	21.07	21.35				
10	16QAM	1	25	21.10	21.45	21.36				
10	16QAM	1	49	21.07	21.39	20.91	21	2		
10	16QAM	25	0	19.85	19.87	19.95				
10	16QAM	25	12	20.09	19.99	20.06				
10	16QAM	25	25	19.94	19.95	20.02	21	2		
10	16QAM	50	0	19.98	20.03	20.07				
10	64QAM	1	0	20.27	20.09	20.15				
10	64QAM	1	25	20.04	20.35	20.30	20	3		
10	64QAM	1	49	20.32	20.05	20.43				
10	64QAM	25	0	18.95	18.95	18.95				
10	64QAM	25	12	18.92	18.93	19.09	20	3		
10	64QAM	25	25	18.90	19.02	19.15				
10	64QAM	50	0	18.97	18.91	19.04				
Channel										
Frequency (MHz)				20575	21100	21425	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	21.94	21.95	21.96	23	0		
5	QPSK	1	12	21.98	21.95	21.96				
5	QPSK	1	24	21.95	21.94	21.95				
5	QPSK	12	0	21.05	21.02	21.15	22	1		
5	QPSK	12	7	20.89	20.93	21.15				
5	QPSK	12	13	21.08	20.91	21.11				
5	QPSK	25	0	21.07	20.95	21.14	22	1		
5	16QAM	1	0	21.56	21.50	20.93				
5	16QAM	1	12	21.12	21.45	21.80				
5	16QAM	1	24	21.44	21.10	21.25	21	2		
5	16QAM	12	0	20.11	20.00	20.12				
5	16QAM	12	7	20.03	19.88	20.15				
5	16QAM	12	13	20.10	19.95	20.05	21	2		
5	16QAM	25	0	20.05	19.93	20.14				
5	64QAM	1	0	20.07	20.19	20.19				
5	64QAM	1	12	20.04	20.23	20.27	20	3		
5	64QAM	1	24	20.31	20.26	20.14				
5	64QAM	12	0	19.13	18.95	19.14				
5	64QAM	12	7	18.99	18.96	19.14	20	3		
5	64QAM	12	13	19.04	18.89	19.09				
5	64QAM	25	0	19.06	18.87	19.00				

Band 7_Ant 31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				2100	2150	2150				
20	QPSK	1	0	21.98	21.84	21.97	23.5	0		
20	QPSK	1	49	22.00	22.20	22.23				
20	QPSK	1	99	21.74	21.90	22.22				
20	QPSK	50	0	20.92	20.96	21.16	22.5	1		
20	QPSK	50	24	20.98	21.20	21.19				
20	QPSK	50	50	20.95	21.12	21.09				
20	QPSK	100	0	20.92	21.16	21.07	22.5	1		
20	16QAM	1	0	21.90	21.46	21.61				
20	16QAM	1	49	21.31	20.98	21.45				
20	16QAM	1	99	20.94	20.91	21.25	21.5	2		
20	16QAM	50	0	19.88	19.87	20.06				
20	16QAM	50	24	20.05	19.93	20.20				
20	16QAM	50	50	19.87	19.86	20.34	21.5	2		
20	16QAM	100	0	19.87	19.80	20.24				
20	64QAM	1	0	19.89	20.10	19.95				
20	64QAM	1	49	20.35	20.03	20.28	20.5	3		
20	64QAM	1	99	20.14	19.93	20.33				
20	64QAM	50	0	19.83	19.80	20.26				
20	64QAM	50	24	19.89	19.88	19.17	20.5	3		
20	64QAM	50	50	19.87	19.81	19.32				
20	64QAM	100	0	19.83	19.86	19.25				
Channel				20625	21100	21500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				20675	21050	21575				
15	QPSK	1	0	21.67	21.55	21.69	23.5	0		
15	QPSK	1	49	21.69	21.81	21.93				
15	QPSK	1	74	21.54	21.67	20.80				
15	QPSK	36	0	20.56	20.47	20.74	22.5	1		
15	QPSK	36	20	20.65	20.68	20.82				
15	QPSK	36	50	20.59	20.63	20.79				
15	QPSK	75	0	20.59	20.66	20.86	22.5	1		
15	16QAM	1	0	21.08	21.05	21.20				
15	16QAM	1	37	21.13	20.88	20.96				
15	16QAM	1	74	21.08	21.08	21.28	21.5	2		
15	16QAM	36	0	19.60	19.62	19.69				
15	16QAM	36	20	19.63	19.70	19.82				
15	16QAM	36	50	19.65	19.75	19.86	21.5	2		
15	16QAM	75	0	19.65	19.68	19.85				
15	64QAM	1	0	19.81	19.75	19.87				
15	64QAM	1	37	19.80	19.77	20.25	21.5	2		
15	64QAM	1	74	19.87	19.75	19.63				
15	64QAM	36	0	18.64	18.64	18.64				
15	64QAM	36	20	18.72	18.73	18.80	20.5	3		
15	64QAM	36	50	18.69	18.62	18.80				
15	64QAM	75	0	18.56	18.67	18.80				
Channel				22500	22500	22500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				22500	22500	22500				
10	QPSK	1	0	21.65	21.59	21.72	23.5	0		
10	QPSK	1	25	21.67	21.62	21.88				
10	QPSK	1	49	21.64	21.39	21.98				
10	QPSK	25	0	20.62	20.67	20.80	22.5	1		
10	QPSK	25	12	20.64	20.64	20.80				
10	QPSK	25	25	20.62	20.66	20.82				
10	QPSK	50	0	20.63	20.67	20.79	22.5	1		
10	16QAM	1	0	20.78	20.78	21.26				
10	16QAM	1	25	20.88	20.90	21.26				
10	16QAM	1	49	21.11	21.08	21.29	22.5	1		
10	16QAM	25	0	19.83	19.87	19.89				
10	16QAM	25	12	19.87	19.87	19.78				
10	16QAM	25	25	19.82	19.61	19.84	21.5	2		
10	16QAM	50	0	19.65	19.69	19.74				
10	16QAM	50	12	19.68	19.68	19.77				
10	64QAM	1	0	19.62	19.84	19.92	21.5	2		
10	64QAM	1	49	19.87	19.68	20.06				
10	64QAM	25	0	18.54	18.59	18.62				
10	64QAM	25	12	18.57	18.67	18.65	20.5	3		
10	64QAM	25	25	18.63	18.68	18.76				
10	64QAM	50	0	18.59	18.62	18.76				
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				20775	21100	21425				
5	QPSK	1	0	21.54	21.73	21.76	23.5	0		
5	QPSK	1	12	21.58	21.59	21.84				
5	QPSK	1	24	21.51	21.55	22.02				
5	QPSK	12	0	20.58	20.57	20.85	22.5	1		
5	QPSK	12	6	20.58	20.58	20.85				
5	QPSK	12	13	20.60	20.54	20.78				
5	QPSK	25	0	20.56	20.52	20.81	22.5	1		
5	16QAM	1	0	20.61	20.51	21.31				
5	16QAM	1	12	20.63	20.53	21.31				
5	16QAM	1	24	20.78	20.54	21.12	21.5	2		
5	16QAM	12	0	19.56	19.59	19.76				
5	16QAM	12	7	19.56	19.56	19.63				
5	16QAM	12	13	19.51	19.50	19.74	21.5	2		
5	16QAM	25	0	19.54	19.52	19.72				
5	64QAM	1	0	19.55	19.63	19.58				
5	64QAM	1	12	19.74	19.71	19.67	21.5	2		
5	64QAM	1	24	19.81	19.78	19.78				
5	64QAM	12	0	18.62	18.59	18.68				
5	64QAM	12	7	18.59	18.55	18.79	20.5	3		
5	64QAM	12	13	18.58	18.58	18.75				
5	64QAM	25	0	18.55	18.55	18.75				



Conducted Default Power for EN-DC LTE

Band 66_Ant 13										Band 66_Ant 31													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)		BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)					
Channel										Channel													
Frequency (MHz)										Frequency (MHz)													
20	QPSK	1	0	22.15	22.08	22.11	23.2	0		20	QPSK	1	0	22.22	22.22	22.23	23.7	0					
20	QPSK	1	49	22.26	22.33	22.31				20	QPSK	1	49	22.53	22.68	22.65							
20	QPSK	1	99	22.09	22.11	22.04				20	QPSK	1	99	22.28	22.29	22.43							
20	QPSK	50	0	21.14	21.28	21.36				20	QPSK	50	0	21.41	21.68	21.65							
20	QPSK	50	24	21.18	21.23	21.36	22.2	1		20	QPSK	50	24	21.50	21.59	21.66	22.7	1					
20	QPSK	50	50	21.17	21.23	21.18				20	QPSK	50	50	21.50	21.64	21.63							
20	QPSK	100	0	21.13	21.31	21.28				20	QPSK	100	0	21.42	21.71	21.63							
20	16QAM	1	0	21.27	21.27	21.26				20	16QAM	1	0	21.56	21.46	21.45							
20	16QAM	1	49	21.15	21.60	21.61	22.2	1		20	16QAM	1	49	21.58	21.76	21.97	22.7	1					
20	16QAM	1	99	21.11	21.23	21.42				20	16QAM	1	99	21.84	21.26	21.74							
20	16QAM	50	0	20.15	20.33	20.32				20	16QAM	50	0	20.35	20.68	20.72							
20	16QAM	50	24	20.20	20.29	20.36				20	16QAM	50	24	20.45	20.57	20.54							
20	16QAM	50	50	20.10	20.21	20.18	21.2	2		20	16QAM	50	50	20.05	20.07	20.54	21.7	2					
20	16QAM	100	0	20.12	20.22	20.26				20	16QAM	100	0	20.48	20.56	20.63							
20	64QAM	1	0	19.94	20.39	20.42				20	64QAM	1	0	20.52	20.51	20.47							
20	64QAM	1	49	20.46	20.31	20.36				20	64QAM	1	49	20.52	20.60	20.67							
20	64QAM	1	99	20.31	19.86	20.03	21.2	2		20	64QAM	1	99	20.29	20.32	20.67	21.7	2					
20	64QAM	50	0	19.34	19.46	19.50				20	64QAM	50	0	19.54	19.81	19.92							
20	64QAM	50	24	19.29	19.42	19.47				20	64QAM	50	24	19.60	19.78	19.86							
20	64QAM	50	50	19.28	19.31	19.38				20	64QAM	50	50	19.60	19.74	19.71							
20	64QAM	100	0	19.27	19.41	19.46	Turn-up limit (dBm)	MPR (dB)		20	64QAM	100	0	19.62	19.73	19.81	Turn-up limit (dBm)	MPR (dB)					
Channel										Channel													
Frequency (MHz)										Frequency (MHz)													
15	QPSK	1	0	22.07	22.21	22.21	23.2	0		15	QPSK	1	0	22.22	22.28	22.53	23.7	0					
15	QPSK	1	37	21.96	22.28	22.27				15	QPSK	1	37	22.37	22.37	22.42							
15	QPSK	1	74	22.27	22.02	22.02				15	QPSK	1	74	22.56	22.55	22.38							
15	QPSK	36	0	21.13	21.37	21.30				15	QPSK	36	0	21.47	21.68	21.64							
15	QPSK	36	36	21.17	21.29	21.29	22.2	1		15	QPSK	36	36	21.41	21.61	21.60	22.7	1					
15	QPSK	36	39	21.16	21.23	21.28				15	QPSK	36	39	21.45	21.53	21.49							
15	QPSK	75	0	21.18	21.28	21.29				15	QPSK	75	0	21.52	21.58	21.53							
15	16QAM	1	0	20.95	21.57	21.49				15	16QAM	1	0	21.73	21.44	21.76							
15	16QAM	1	74	20.99	20.12	20.34	21.2	2		15	16QAM	1	74	21.82	21.68	21.68	22.7	1					
15	16QAM	1	74	21.17	21.37	21.29				15	16QAM	1	74	21.82	21.68	21.68							
15	16QAM	36	0	20.14	20.33	20.28				15	16QAM	36	0	20.43	20.68	20.66							
15	16QAM	36	20	20.12	20.27	20.27				15	16QAM	36	20	20.53	20.59	20.58							
15	16QAM	36	39	20.15	20.29	20.38	21.2	2		15	16QAM	36	39	20.47	20.54	20.67	21.7	2					
15	16QAM	75	0	20.17	20.31	20.25				15	16QAM	75	0	20.49	20.57	20.55							
15	64QAM	1	0	20.30	20.47	20.30				15	64QAM	1	0	20.35	20.69	20.78							
15	64QAM	1	37	20.19	20.17	20.42				15	64QAM	1	37	20.53	20.79	20.67							
15	64QAM	1	74	20.09	20.12	20.34	20.2	3		15	64QAM	1	74	20.09	20.12	20.34	20.7	3					
15	64QAM	36	0	19.35	19.49	19.56				15	64QAM	36	0	19.62	19.93	19.78							
15	64QAM	36	20	19.26	19.42	19.45				15	64QAM	36	20	19.59	19.73	19.77							
15	64QAM	36	39	19.32	19.43	19.36				15	64QAM	36	39	19.71	19.76	19.75							
15	64QAM	75	0	19.35	19.44	19.47	Turn-up limit (dBm)	MPR (dB)		15	64QAM	75	0	19.66	19.74	19.62	Turn-up limit (dBm)	MPR (dB)					
Channel										Channel													
Frequency (MHz)										Frequency (MHz)													
10	QPSK	1	0	22.11	22.24	22.30	23.2	0		10	QPSK	1	0	22.60	22.65	22.60	23.7	0					
10	QPSK	1	25	22.19	22.28	22.30				10	QPSK	1	25	22.69	22.66	22.65							
10	QPSK	1	49	22.11	22.24	22.21				10	QPSK	1	49	22.87	22.82	22.45							
10	QPSK	25	0	21.15	21.36	21.30				10	QPSK	25	0	21.43	21.67	21.64							
10	QPSK	25	12	21.14	21.30	21.30	22.2	1		10	QPSK	25	12	21.51	21.62	21.58	22.7	1					
10	QPSK	25	25	21.17	21.29	21.30				10	QPSK	25	25	21.52	21.61	21.61							
10	QPSK	50	0	21.16	21.30	21.36				10	QPSK	50	0	21.56	21.63	21.61							
10	16QAM	1	0	21.36	21.73	21.68				10	16QAM	1	0	21.34	21.78	21.46							
10	16QAM	1	25	21.48	21.62	21.61	22.2	1		10	16QAM	1	25	21.32	21.54	21.79	22.7	1					
10	16QAM	1	49	21.47	21.59	21.60				10	16QAM	1	49	21.54	21.61	21.52							
10	16QAM	25	0	20.08	20.28	20.32				10	16QAM	25	0	20.45	20.74	20.56							
10	16QAM	25	12	20.27	20.36	20.31				10	16QAM	25	12	20.50	20.66	20.45							
10	16QAM	25	25	20.18	20.32	20.32	21.2	2		10	16QAM	25	25	20.51	20.65	20.55	21.7	2					
10	16QAM	50	0	20.12	20.37	20.30				10	16QAM	25	25	20.51	20.68	20.58							
10	64QAM	1	0	20.35	20.27	20.09				10	64QAM	1	0	20.64	20.77	20.82							
10	64QAM	1	25	20.16	20.27	20.48				10	64QAM	1	25	20.51	20.85	20.79							
10	64QAM	1	49	20.13	20.22	20.35	21.2	2		10	64QAM	1	49	20.70	20.61	20.41	21.7	2					
10	64QAM	25	0	19.25	19.50	19.48				10	64QAM	25	0	19.62	19.74	19.71							
10	64QAM	25	12	19.38	19.40	19.42				10	64QAM	25	12	19.62	19.74	19.79							
10	64QAM	25	25	19.38	19.40	19.39				10	64QAM	25	25	19.66	19.75	19.71							
10	64QAM	50	0	19.35	19.45	19.46	Turn-up limit (dBm)	MPR (dB)		10	64QAM	50	0	19.66	19.77	19.78	Turn-up limit (dBm)	MPR (dB)					
Channel										Channel													
Frequency (MHz)										Frequency (MHz)													
5	QPSK	1	0	22.30	22.30	22.32	23.2	0		5	QPSK	1	0	22.54	22.64	22.57	23.7	0					
5	QPSK	1	12	22.52	22.52	22.29				5	QPSK	1	12	22.60	22.63	22.63							
5	QPSK	1	24	22.11	22.22	22.26				5	QPSK	1	24	22.67	22.64	22.67							
5	QPSK	12	0	21.12	21.30	21.33				5	QPSK	12	0	21.47	21.67	21.59							
5	QPSK	12	7	21.16	21.29	21.26	22.2	1		5	QPSK	12	7	21.49	21.61	21.50	22.7	1					
5	QPSK	12	13	21.13	21.29	21.19				5	QPSK	12	13	21.49	21.56	21.39							
5	QPSK	25	0	21.18	21.58	21.20				5	QPSK	25	0	21.50	21.54	21.43							
5	16QAM	1	0	21.17	21.40	21.07				5	16QAM	1	0	21.29	21.45	21.07							
5	16QAM	1	12	21.25	21.51	21.68	22.2	1		5	16QAM	1	12	21.50	21.90	21.52	22.7	1					
5	16QAM	1	24	21.50	21.62	21.63				5	16QAM	1	24	21.41	21.71	21.65							
5	16QAM	12	0	20.04	20.28	20.22				5	16QAM	12	0	20.44	20.56	20.54							
5	16QAM	12	7	20.18	20.27	20.18				5	16QAM	12	7	20.46	20.53	20.51							
5	16QAM	12	13	20.03	20.23	20.20	21.2	2		5	16QAM	12	13	20.50	20.51	20.35	21.7	2					
5	16QAM	25	0	20.13	20.34	20.21				5	16QAM	25	0	20.53	20.60	20.46							
5	64QAM	1	0	20.08	20.08	20.48				5	64QAM	1	0	20.47	20.50	20.45							
5	64QAM	1	12	20.06	20.30	20.46				5	64QAM	1	12	20.47	20.50	20.45							
5	64QAM	1	24	20.40	20.17	20.00	20.2	3		5	64QAM	1	24	20.64	20.80	20.67	20.7	3					
5	64QAM	12	0	19.36	19.43	19.31				5	64QAM	12	0	19.73	19.81	19.73							
5	64QAM	12	7	19.24	19.50	19.45				5	64QAM	12	7	19.62	19.74	19.71							
5	64QAM	12	13	19.28	19.38	19.31				5	64QAM	12	13	19.64	19.68	19.57							
5	64QAM	25	0	19.23	19.45	19.39	Turn-up limit (dBm)	MPR (dB)		5	64QAM	25	0	19.59	19.70	19.64	Turn-up limit (dBm)	MPR (dB)					
Channel										Channel													
Frequency (MHz)										Frequency (MHz)													
3	QPSK																						

Conducted Default Power for EN-DC LTE

Band 38_Ant 13											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)			
Channel				37650	38000	38150					
Frequency (MHz)											
20	QPSK	1	0	22.28	22.21	22.31	23.4	0			
20	QPSK	1	49	22.46	22.49	22.45					
20	QPSK	1	99	22.34	22.36	22.44					
20	QPSK	50	0	21.40	21.40	21.46	22.4	1			
20	QPSK	50	24	21.49	21.52	21.47					
20	QPSK	50	50	21.47	21.42	21.46					
20	QPSK	100	0	21.44	21.44	21.42	22.4	1			
20	16QAM	1	0	21.28	21.30	21.27					
20	16QAM	1	49	21.45	21.48	21.46					
20	16QAM	1	99	21.39	21.33	21.35	21.4	2			
20	16QAM	50	0	20.33	20.43	20.41					
20	16QAM	50	24	20.41	20.47	20.41					
20	16QAM	50	50	20.43	20.35	20.44	21.4	2			
20	16QAM	100	0	20.42	20.43	20.41					
20	64QAM	1	0	19.93	19.94	19.92					
20	64QAM	1	49	20.17	20.24	20.12	21.4	2			
20	64QAM	1	99	20.06	20.05	20.05					
20	64QAM	50	0	19.33	19.38	19.34					
20	64QAM	50	24	19.35	19.43	19.44	20.4	3			
20	64QAM	50	50	19.38	19.31	19.33					
20	64QAM	100	0	19.39	19.40	19.35					
Channel				37625	38000	38175					
Frequency (MHz)											
15	QPSK	1	0	22.27	22.22	22.24	23.4	0			
15	QPSK	1	37	22.38	22.48	22.38					
15	QPSK	1	74	22.42	22.38	22.38					
15	QPSK	36	0	21.32	21.31	21.26	22.4	1			
15	QPSK	36	20	21.37	21.37	21.32					
15	QPSK	36	39	21.35	21.36	21.32					
15	QPSK	75	0	21.35	21.35	21.37	22.4	1			
15	16QAM	1	0	21.32	21.24	21.32					
15	16QAM	1	31	21.35	21.40	21.32					
15	16QAM	1	74	21.40	21.35	21.35	21.4	2			
15	16QAM	36	0	20.25	20.33	20.27					
15	16QAM	36	20	20.28	20.29	20.21					
15	16QAM	36	39	20.28	20.30	20.30	21.4	2			
15	16QAM	75	0	20.34	20.36	20.29					
15	64QAM	1	0	20.00	19.99	20.03					
15	64QAM	1	31	20.06	20.17	20.15	20.4	2			
15	64QAM	1	74	20.08	20.12	20.14					
15	64QAM	36	0	19.31	19.32	19.24					
15	64QAM	36	20	19.42	19.34	19.27	20.4	3			
15	64QAM	36	39	19.31	19.32	19.33					
15	64QAM	75	0	19.29	19.29	19.30					
Channel				37675	38000	38200					
Frequency (MHz)											
10	QPSK	1	0	22.36	22.46	22.33	23.4	0			
10	QPSK	1	25	22.40	22.48	22.43					
10	QPSK	1	49	22.37	22.42	22.41					
10	QPSK	25	0	21.31	21.38	21.39	22.4	1			
10	QPSK	25	12	21.38	21.38	21.41					
10	QPSK	25	25	21.35	21.35	21.39					
10	QPSK	50	0	21.39	21.42	21.42	22.4	1			
10	16QAM	1	0	21.32	21.44	21.25					
10	16QAM	1	25	21.45	21.47	21.46					
10	16QAM	1	49	21.35	21.41	21.38	21.4	2			
10	16QAM	25	0	20.38	20.42	20.42					
10	16QAM	25	12	20.34	20.43	20.37					
10	16QAM	25	25	20.37	20.42	20.44	21.4	2			
10	16QAM	50	0	20.38	20.47	20.43					
10	64QAM	1	0	20.06	20.05	20.01					
10	64QAM	1	25	20.11	20.12	20.14	21.4	2			
10	64QAM	1	49	20.05	20.08	20.08					
10	64QAM	25	0	19.33	19.41	19.39					
10	64QAM	25	12	19.38	19.41	19.43	20.4	3			
10	64QAM	25	25	19.38	19.35	19.46					
10	64QAM	50	0	19.29	19.33	19.37					
Channel				37775	38000	38225					
Frequency (MHz)											
5	QPSK	1	0	22.40	22.40	22.40	23.4	0			
5	QPSK	1	12	22.37	22.46	22.44					
5	QPSK	1	24	22.38	22.45	22.44					
5	QPSK	12	0	21.35	21.46	21.41	22.4	1			
5	QPSK	12	7	21.33	21.37	21.47					
5	QPSK	12	13	21.35	21.38	21.37					
5	QPSK	25	0	21.28	21.37	21.39	22.4	1			
5	16QAM	1	0	21.35	21.40	21.43					
5	16QAM	1	12	21.42	21.39	21.43					
5	16QAM	1	24	21.43	21.41	21.47	21.4	2			
5	16QAM	12	0	20.29	20.35	20.30					
5	16QAM	12	7	20.30	20.34	20.37					
5	16QAM	12	13	20.35	20.36	20.34	21.4	2			
5	16QAM	25	0	20.34	20.40	20.44					
5	64QAM	1	0	20.07	20.12	20.10					
5	64QAM	1	12	20.13	20.18	20.15	20.4	3			
5	64QAM	1	24	20.13	20.11	20.15					
5	64QAM	12	0	19.33	19.40	19.41					
5	64QAM	12	7	19.28	19.34	19.38	20.4	3			
5	64QAM	12	13	19.29	19.34	19.35					
5	64QAM	25	0	19.35	19.45	19.43					

Band 38_Ant 31												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)				
Channel				37650	38000	38150						
Frequency (MHz)												
20	QPSK	1	0	22.43	22.49	22.53	23.8	0				
20	QPSK	1	49	22.68	22.79	22.77						
20	QPSK	1	99	22.67	22.60	22.73						
20	QPSK	50	0	21.55	21.69	21.64	22.8	1				
20	QPSK	50	24	21.68	21.78	21.77						
20	QPSK	50	50	21.67	21.68	21.72						
20	QPSK	100	0	21.64	21.66	21.63	22.8	1				
20	16QAM	1	0	21.47	21.54	21.51						
20	16QAM	1	49	21.66	21.77	21.73						
20	16QAM	1	99	21.66	21.59	21.69	21.8	2				
20	16QAM	50	0	20.34	20.63	20.66						
20	16QAM	50	24	20.63	20.69	20.72						
20	16QAM	50	50	20.69	20.66	20.69	21.8	2				
20	16QAM	100	0	20.60	20.65	20.68						
20	64QAM	1	0	20.09	20.18	20.20						
20	64QAM	1	49	20.35	20.43	20.39	21.8	2				
20	64QAM	1	99	20.33	20.31	20.36						
20	64QAM	50	0	19.50	19.62	19.60						
20	64QAM	50	24	19.59	19.67	19.67	20.8	3				
20	64QAM	50	50	19.58	19.63	19.68						
20	64QAM	100	0	19.58	19.63	19.66						
Channel				37925	38000	38175	MPR (dB)					
Frequency (MHz)												
15	QPSK	1	0	22.37	22.39	22.45	23.8	0				
15	QPSK	1	37	22.41	22.61	22.62						
15	QPSK	1	74	22.37	22.52	22.57						
15	QPSK	36	0	21.31	21.40	21.40	22.8	1				
15	QPSK	36	20	21.35	21.48	21.45						
15	QPSK	36	39	21.35	21.45	21.47						
15	QPSK	75	0	21.36	21.46	21.43	22.8	1				
15	16QAM	1	0	21.24	21.39	21.38						
15	16QAM	1	37	21.35	21.45	21.54	22.8	1				
15	16QAM	1	74	21.43	21.52	21.55						
15	16QAM	36	0	20.24	20.36	20.37						
15	16QAM	36	20	20.30	20.41	20.45	21.8	2				
15	16QAM	36	39	20.33	20.44	20.49						
15	16QAM	75	0	20.26	20.45	20.45						
15	16QAM	200	0	20.00	20.33	20.12	21.8	2				
15	64QAM	1	37	20.10	20.22	20.26						
15	64QAM	1	74	20.08	20.18	20.28						
15	64QAM	25	0	19.25	19.46	19.46	20.8	3				
15	64QAM	35	20	19.33	19.42	19.41						
15	64QAM	36	39	19.31	19.44	19.45						
15	64QAM	75	0	19.37	19.36	19.44	20.8	3				
Channel				37950	38000	38175				MPR (dB)		
Frequency (MHz)												
10	QPSK	1	0	22.33	22.52	22.44	23.8	0				
10	QPSK	1	24	22.41	22.59	22.59						
10	QPSK	1	49	22.43	22.50	22.59						
10	QPSK	25	0	21.33	21.49	21.53	22.8	1				
10	QPSK	12	0	21.38	21.46	21.53						
10	QPSK	25	24	21.38	21.45	21.57						
10	QPSK	50	0	21.42	21.51	21.52	22.8	1				
10	16QAM	1	0	21.26	21.46	21.50						
10	16QAM	1	24	21.43	21.51	21.52						
10	16QAM	1	49	21.37	21.52	21.61	22.8	1				
10	16QAM	25	0	20.31	20.47	20.52						
10	16QAM	25	25	20.38	20.45	20.58						
10	16QAM	25	25	20.38	20.45	20.58	21.8	2				
10	16QAM	50	0	20.39	20.44	20.56						
10	16QAM	1	0	19.96	20.16	20.14						
10	16QAM	1	49	20.14	20.25	20.23	21.8	2				
10	64QAM	1	49	20.11	20.18	20.26						
10	64QAM	25	0	19.34	19.51	19.54						
10	64QAM	25	25	19.38	19.48	19.53	20.8	3				
10	64QAM	50	25	19.39	19.46	19.50						
10	64QAM	50	0	19.33	19.44	19.46						
Channel				37975	38000	38175	MPR (dB)					
Frequency (MHz)												
5	QPSK	1	0	22.32	22.58	22.55	23.8	0				
5	QPSK	1	12	22.44	22.57	22.55						
5	QPSK	12	0	22.38	22.51	22.53						
5	QPSK	12	0	21.31	21.51	21.50	22.8	1				
5	QPSK	12	13	21.36	21.46	21.61						
5	QPSK	25	0	21.38	21.42	21.59						
5	16QAM	1	0	21.33	21.51	21.56	22.8	1				
5	16QAM	1	12	21.45	21.50	21.56						
5	16QAM	12	0	21.45	21.51	21.52						
5	16QAM	12	0	20.30	20.44	20.49	21.8	2				
5	16QAM	12	7	20.29	20.38	20.45						
5	16QAM	12	13	20.24	20.42	20.49						
5	16QAM	25	0	20.31	20.48	20.54	21.8	2				
5	64QAM	1	0	20.04	20.22	20.29						
5	64QAM	1	12	20.10	20.23	20.27						
5	64QAM	1	24	20.14	20.25	20.27	20.8	3				
5	64QAM	12	0	19.29	19.47	19.51						
5	64QAM	12	7	19.28	19.38	19.46						
5	64QAM	12	13	19.31	19.43	19.48	20.8	3				
5	64QAM	25	0	19.27	19.44	19.59						



Conducted Default Power for EN-DC LTE

Band 41_Ant 13												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Mode Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Turn-up Int. (dBm)	MPR (dB)		
Channel				39750	40175	40600	41025	41450				
Frequency (MHz)				2556.5	2556.5	2559.5	2565.5	2570.5				
20	QPSK	1	0	22.12	22.06	22.27	22.25	22.26	23.4	0		
20	QPSK	1	48	22.25	22.26	22.50	22.43	22.46				
20	QPSK	1	96	22.15	22.20	22.38	22.37	22.34				
20	QPSK	50	0	21.19	21.24	21.38	21.37	21.35	22.4	1		
20	QPSK	50	24	21.32	21.31	21.47	21.44	21.43				
20	QPSK	50	50	21.31	21.29	21.45	21.43	21.42				
20	QPSK	100	0	21.23	21.20	21.35	21.35	21.38	22.4	1		
20	16QAM	1	0	21.16	21.11	21.28	21.20	21.33				
20	16QAM	1	48	21.26	21.27	21.53	21.50	21.47				
20	16QAM	1	96	21.20	21.23	21.29	21.39	21.30	21.4	2		
20	16QAM	50	0	20.16	20.22	20.38	20.34	20.41				
20	16QAM	50	24	20.28	20.20	20.43	20.40	20.41				
20	16QAM	50	50	20.29	20.25	20.32	20.41	20.44	20.4	2		
20	16QAM	100	0	20.24	20.20	20.33	20.42	20.38				
20	64QAM	1	0	19.80	19.82	19.93	19.96	20.07				
20	64QAM	1	48	19.84	20.00	20.13	20.11	20.14	21.4	2		
20	64QAM	1	96	19.88	19.86	19.96	20.03	20.13				
20	64QAM	50	0	19.11	19.17	19.30	19.32	19.39				
20	64QAM	50	24	19.23	19.17	19.38	19.36	19.36	20.4	3		
20	64QAM	50	50	19.22	19.19	19.28	19.39	19.44				
20	64QAM	100	0	19.19	19.20	19.36	19.36	19.36				
Channel				39725	40173	40620	41068	41515	Turn-up Int. (dBm)	MPR (dB)		
Frequency (MHz)				2552.5	2552.5	2557	2562	2567.5				
15	QPSK	1	0	22.27	22.31	22.47	22.45	22.40	23.4	0		
15	QPSK	1	37	22.38	22.41	22.48	22.48	22.45				
15	QPSK	1	74	22.35	22.41	22.42	22.48	22.43				
15	QPSK	36	0	21.32	21.31	21.45	21.48	21.50	22.4	1		
15	QPSK	36	20	21.35	21.34	21.46	21.49	21.50				
15	QPSK	36	39	21.35	21.32	21.44	21.54	21.52				
15	QPSK	75	0	21.32	21.34	21.50	21.54	21.53	22.4	1		
15	16QAM	1	0	21.30	21.34	21.40	21.46	21.52				
15	16QAM	1	37	21.43	21.38	21.52	21.54	21.50				
15	16QAM	1	74	21.39	21.40	21.49	21.55	21.55	21.4	2		
15	16QAM	36	0	20.19	20.23	20.44	20.40	20.43				
15	16QAM	36	20	20.29	20.33	20.42	20.50	20.53				
15	16QAM	36	39	20.28	20.30	20.52	20.50	20.52	21.4	2		
15	16QAM	75	0	20.36	20.34	20.43	20.52	20.57				
15	64QAM	1	0	19.99	20.01	20.09	20.13	20.23				
15	64QAM	1	37	20.12	20.12	20.22	20.24	20.27	21.4	2		
15	64QAM	1	74	20.04	20.14	20.13	20.23	20.29				
15	64QAM	36	0	19.21	19.30	19.40	19.44	19.45				
15	64QAM	36	20	19.46	19.27	19.40	19.46	19.46	20.4	3		
15	64QAM	36	39	19.30	19.28	19.42	19.46	19.53				
15	64QAM	75	0	19.35	19.32	19.41	19.45	19.51				
Channel				39700	40160	40620	41080	41540	Turn-up Int. (dBm)	MPR (dB)		
Frequency (MHz)				2561	2561	2563	2565	2568				
10	QPSK	1	0	22.21	22.20	22.29	22.32	22.38	23.4	0		
10	QPSK	1	25	22.25	22.26	22.45	22.38	22.41				
10	QPSK	1	48	22.21	22.16	22.41	22.44	22.46				
10	QPSK	25	0	21.32	21.34	21.46	21.54	21.61	22.4	1		
10	QPSK	25	12	21.37	21.37	21.56	21.63	21.58				
10	QPSK	25	25	21.40	21.33	21.51	21.58	21.65				
10	QPSK	50	0	21.39	21.34	21.48	21.60	21.63	22.4	1		
10	16QAM	1	0	21.40	21.45	21.51	21.57	21.59				
10	16QAM	1	25	21.44	21.40	21.61	21.56	21.65				
10	16QAM	1	48	21.37	21.39	21.55	21.57	21.60	21.4	2		
10	16QAM	25	0	20.39	20.35	20.46	20.58	20.65				
10	16QAM	25	12	20.32	20.40	20.54	20.60	20.55				
10	16QAM	25	25	20.37	20.33	20.57	20.62	20.70	21.4	2		
10	16QAM	50	0	20.36	20.34	20.54	20.57	20.64				
10	64QAM	1	0	20.00	20.05	20.19	20.28	20.25				
10	64QAM	1	25	20.18	20.12	20.25	20.27	20.23	20.4	3		
10	64QAM	1	48	20.09	20.10	20.23	20.25	20.34				
10	64QAM	25	0	19.31	19.34	19.52	19.53	19.63				
10	64QAM	25	12	19.36	19.40	19.50	19.56	19.66	20.4	3		
10	64QAM	25	25	19.38	19.38	19.54	19.59	19.65				
10	64QAM	50	0	19.28	19.23	19.50	19.53	19.56				
Channel				3467.5	3474.5	3492.0	4103.0	4156.5	Turn-up Int. (dBm)	MPR (dB)		
Frequency (MHz)				2468.5	2468.5	2493	2493.50	2497.5				
5	QPSK	1	0	22.15	22.19	22.39	22.33	22.43	23.4	0		
5	QPSK	1	12	22.07	22.21	22.39	22.38	22.43				
5	QPSK	1	24	22.19	22.24	22.41	22.43	22.44				
5	QPSK	12	0	21.35	21.41	21.57	21.57	21.64	22.4	1		
5	QPSK	12	7	21.38	21.52	21.53	21.63	21.63				
5	QPSK	12	13	21.37	21.38	21.48	21.51	21.63				
5	QPSK	25	0	21.40	21.41	21.48	21.56	21.72	22.4	1		
5	16QAM	1	0	21.46	21.43	21.54	21.59	21.64				
5	16QAM	1	12	21.36	21.44	21.61	21.56	21.63				
5	16QAM	1	24	21.46	21.51	21.57	21.67	21.64	21.4	2		
5	16QAM	12	0	20.28	20.35	20.42	20.52	20.55				
5	16QAM	12	7	20.26	20.36	20.50	20.53	20.60				
5	16QAM	12	13	20.34	20.20	20.36	20.49	20.56	21.4	2		
5	16QAM	25	0	20.40	20.40	20.59	20.61	20.69				
5	64QAM	1	0	20.02	20.15	20.32	20.36	20.34				
5	64QAM	1	12	20.19	20.13	20.24	20.34	20.37	20.4	2		
5	64QAM	1	24	20.13	20.14	20.30	20.30	20.41				
5	64QAM	12	0	19.31	19.36	19.47	19.51	19.64				
5	64QAM	12	7	19.53	19.34	19.47	19.52	19.62	20.4	3		
5	64QAM	12	13	19.36	19.28	19.47	19.53	19.60				
5	64QAM	25	0	19.40	19.35	19.54	19.57	19.63				

Band 41_Ant 31												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Mode Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Turn-up Int. (dBm)	MPR (dB)		



Band 2_Ant 31										
RB (MHz)	Modulation	RB Size	RB Offset	Power Ch. Freq.	Power Ch. Freq.	Power Ch. Freq.	Time-up limit (min)	APNs (cid)		
Channel				18700	18950	19150				
Frequency (MHz)				18675	1885	1900.5				
20	QPSK	1	0	22.71	22.59	22.82				
20	QPSK	1	49	27.24	27.05	27.01	24	0		
20	QPSK	1	99	27.20	27.20	27.03				
20	QPSK	5	0	21.97	21.97	21.82				
20	QPSK	50	24	21.74	21.58	21.03				
20	QPSK	50	60	21.69	21.56	21.08				
20	QPSK	100	0	21.63	21.57	21.88				
20	QPSK	100	24	21.64	21.51	21.22				
20	16QAM	1	49	21.83	21.88	22.07	23	1		
20	16QAM	1	99	21.44	22.08	22.22				
20	16QAM	50	0	20.78	20.68	20.82				
20	16QAM	50	24	20.70	20.74	21.06	22	2		
20	16QAM	50	60	20.70	20.72	21.06				
20	16QAM	100	0	20.66	20.66	20.95				
20	16QAM	100	24	20.64	20.64	20.73				
20	8QAM	1	49	20.15	20.70	21.03				
20	8QAM	1	99	20.83	20.66	21.07				
20	8QAM	50	0	19.78	19.63	19.87	21			
20	8QAM	50	24	19.71	19.64	20.05				
20	8QAM	50	60	19.60	19.61	19.97				
20	8QAM	100	0	18.66	19.64	19.99				
Channel				18975	1885	1900.5				
Frequency (MHz)				18975	1885	1900.5				
15	QPSK	1	0	22.77	22.46	22.41				
15	QPSK	1	37	22.43	22.45	22.83	24	0		
15	QPSK	1	74	22.26	22.44	22.83				
15	QPSK	5	0	21.40	21.40	21.78				
15	QPSK	36	20	21.45	21.64	21.82				
15	QPSK	36	39	21.42	21.54	21.79	23	1		
15	QPSK	75	0	20.56	21.59	21.81				
15	16QAM	1	37	21.53	21.61	21.86				
15	16QAM	1	74	21.54	21.77	21.72	23	1		
15	16QAM	1	111	21.48	21.75	21.67				
15	16QAM	36	20	20.68	20.58	20.74				
15	16QAM	36	39	20.58	20.52	20.75				
15	16QAM	75	0	20.54	20.60	20.72				
15	8QAM	1	37	20.38	20.32	20.69	22	2		
15	8QAM	1	74	20.59	20.62	20.67				
15	8QAM	36	0	19.65	19.76	19.76				
15	8QAM	36	20	19.69	19.39	19.74	Time-up limit (min)	APNs (cid)		
15	8QAM	36	39	19.54	19.33	19.81				
15	8QAM	75	0	18.63	19.37	19.75				
Channel				1902.5	1885	1900.5				
Frequency (MHz)				1902.5	1885	1900.5				
10	QPSK	1	0	22.41	22.58	22.72				
10	QPSK	1	25	22.63	22.52	22.89	24	0		
10	QPSK	1	49	22.65	22.65	22.81				
10	QPSK	25	12	21.40	21.40	21.84	23	1		
10	QPSK	25	25	21.46	21.36	21.84				
10	QPSK	25	25	21.46	21.36	21.79				
10	QPSK	50	0	21.40	21.40	21.82				
10	QPSK	50	0	21.28	21.85	21.93				
10	16QAM	1	25	21.46	21.51	21.86	23	1		
10	16QAM	1	49	21.55	21.82	21.81				
10	16QAM	25	12	20.49	20.33	20.81				
10	16QAM	25	25	20.52	20.37	20.84				
10	16QAM	50	0	20.49	20.33	20.81				
10	16QAM	50	0	20.37	20.61	20.88	23	1		
10	8QAM	1	25	20.51	20.62	20.98				
10	8QAM	1	25	20.54	20.38	20.80	22	2		
10	8QAM	1	49	20.43	20.54	21.04				
10	8QAM	25	12	19.48	19.32	19.82				
10	8QAM	25	12	19.48	19.32	19.84				
10	8QAM	25	25	19.52	19.39	19.78	Time-up limit (min)	APNs (cid)		
10	8QAM	50	0	19.45	19.31	19.77				
Channel				1915.5	1885	1900.5				
Frequency (MHz)				1915.5	1885	1900.5				
5	QPSK	1	0	22.38	22.48	22.75				
5	QPSK	1	12	22.52	22.46	22.77	24	0		
5	QPSK	1	24	22.67	22.43	22.84				
5	QPSK	12	0	21.46	21.46	21.84				
5	QPSK	12	7	21.47	21.40	21.81				
5	QPSK	12	13	21.46	21.39	21.74	23	1		
5	QPSK	25	0	21.40	21.40	21.82				
5	16QAM	1	0	21.59	21.80	21.82				
5	16QAM	1	12	21.61	21.75	21.84	23	1		
5	16QAM	1	24	21.62	21.49	22.00				
5	16QAM	12	0	20.42	20.39	20.81				
5	16QAM	12	7	20.45	20.43	20.79	22	2		
5	16QAM	12	13	20.42	20.42	20.78				
5	16QAM	25	0	20.39	20.39	20.78				
5	8QAM	1	0	20.48	20.59	20.85				
5	8QAM	1	12	20.70	20.26	20.82	22	2		
5	8QAM	1	24	20.76	20.61	20.88				
5	8QAM	12	0	19.48	19.39	19.77				
5	8QAM	12	7	19.55	19.39	19.85	21	3		
5	8QAM	12	13	19.55	19.37	19.82				
Channel				1915.5	1885	1900.5				
Frequency (MHz)				1915.5	1885	1900.5				
3	QPSK	1	0	22.17	22.43	22.76				
3	QPSK	1	8	22.36	22.47	22.84	24	0		
3	QPSK	1	16	22.52	22.43	22.81				
3	QPSK	8	0	21.42	21.37	21.84				
3	QPSK	8	4	21.48	21.39	21.83	23	1		
3	QPSK	15	0	21.44	21.36	21.81				
3	16QAM	1	8	21.64	21.81	21.91				
3	16QAM	1	16	21.74	21.82	21.79	23	1		
3	16QAM	1	24	21.67	21.87	22.05				
3	16QAM	8	0	20.42	20.47	20.88				
3	16QAM	8	4	20.55	20.45	20.99				
3	16QAM	8	7	20.52	20.39	20.93	22	2		
3	16QAM	15	0	20.39	20.39	20.81				
3	8QAM	1	0	20.72	20.49	20.88				
3	8QAM	1	8	20.66	20.43	20.81	22	2		
3	8QAM	1	16	20.68	20.68	20.77				
3	8QAM	8	0	19.33	19.49	19.72				
3	8QAM	8	4	19.51	19.33	19.83	21	3		
3	8QAM	8	7	19.47	19.42	19.83				
3	8QAM	15	0	18.60	19.33	19.75				
Channel				1900.7	1885	1915.5				
Frequency (MHz)				1900.7	1885	1915.5				
14	QPSK	1	0	22.32	22.48	22.92				
14	QPSK	1	8	22.44	22.28	22.92	24	0		
14	QPSK	1	16	22.33	22.33	22.81				
14	QPSK	3	0	22.43	22.39	22.68				
14	QPSK	3	1	22.48	22.49	22.65				
14	QPSK	3	16	22.43	22.43	22.74				
14	QPSK	6	0	21.48	21.48	21.73	24	0		
14	16QAM	1	0	21.85	21.88	22.07				
14	16QAM	1	3	21.37	21.60	21.55				
14	16QAM	1	6	21.46	21.62	21.71				
14	16QAM	3	0	21.51	21.49	21.80				
14	16QAM	3	1	21.48	21.51	21.79				
14	16QAM	3	3	21.52	21.44	21.78	24	0		
14	16QAM	6	0	20.48	20.48	20.87				
14	8QAM	1	0	20.30	20.68	20.80				
14	8QAM	1	3	20.27	20.59	20.90				
14	8QAM	1	6	20.36	20.56	20.92				
14	8QAM	3	0	20.64	20.41	20.84	24	0		
14	8QAM	3	1	20.51	20.55	20.78				
14	8QAM	3	3	20.62	20.42	20.85				
14	8QAM	6	0	19.62	19.62	19.85	24	0		



Reduced Power for DSI 2

Band 4_Ant 13											
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)			
Channel				20050	20175	20300					
Frequency (MHz)				1712.5	1732.5	1752.5					
20	QPSK	1	0	14.82	14.88	14.85	16	0			
20	QPSK	1	49	14.89	14.97	14.94					
20	QPSK	1	99	14.84	14.96	14.93					
20	QPSK	50	24	14.82	14.90	14.86					
20	QPSK	50	50	14.74	14.89	14.80	16	0			
20	QPSK	100	0	14.75	14.88	14.86					
20	16QAM	1	0	14.73	14.82	14.80					
20	16QAM	1	49	14.81	14.85	14.81					
20	16QAM	1	99	14.81	14.85	14.81	16	0			
20	16QAM	50	24	14.74	14.85	14.81					
20	16QAM	50	50	14.77	14.83	14.79					
20	16QAM	100	0	14.77	14.86	14.79					
20	64QAM	1	0	14.77	14.84	14.79	16	0			
20	64QAM	1	49	14.76	14.81	14.80					
20	64QAM	1	99	14.75	14.81	14.82					
20	64QAM	50	24	14.79	14.89	14.83					
20	64QAM	50	50	14.78	14.88	14.83	16	0			
20	64QAM	100	0	14.76	14.83	14.77					
Channel				20025	20175	20325			Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5					
15	QPSK	1	0	14.87	14.77	14.81	16	0			
15	QPSK	1	37	14.89	14.92	14.92					
15	QPSK	1	74	14.92	14.93	14.83					
15	QPSK	36	0	14.88	14.86	14.77					
15	QPSK	36	39	14.78	14.76	14.86	16	0			
15	QPSK	75	0	14.73	14.74	14.83					
15	16QAM	1	0	14.78	14.81	14.69					
15	16QAM	1	37	14.73	14.76	14.74					
15	16QAM	1	74	14.82	14.83	14.85	16	0			
15	16QAM	36	0	14.79	14.79	14.71					
15	16QAM	36	20	14.79	14.78	14.84					
15	16QAM	36	39	14.77	14.72	14.79					
15	16QAM	75	0	14.82	14.81	14.80	16	0			
15	64QAM	1	0	14.76	14.73	14.82					
15	64QAM	1	37	14.68	14.77	14.71					
15	64QAM	1	74	14.75	14.75	14.79					
15	64QAM	36	0	14.75	14.79	14.76	16	0			
15	64QAM	36	20	14.84	14.86	14.83					
15	64QAM	36	39	14.77	14.81	14.85					
15	64QAM	75	0	14.80	14.74	14.76					
Channel				20000	20175	20350	Turn-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1715	1732.5	1750					
10	QPSK	1	0	14.78	14.75	14.76	16	0			
10	QPSK	1	36	14.95	14.88	14.90					
10	QPSK	1	49	14.85	14.88	14.90					
10	QPSK	25	0	14.81	14.80	14.88					
10	QPSK	25	12	14.80	14.84	14.80	16	0			
10	QPSK	25	25	14.81	14.84	14.87					
10	QPSK	50	0	14.80	14.73	14.85					
10	16QAM	1	0	14.74	14.78	14.76					
10	16QAM	1	25	14.80	14.78	14.72	16	0			
10	16QAM	1	49	14.83	14.81	14.87					
10	16QAM	25	0	14.71	14.79	14.72					
10	16QAM	25	12	14.80	14.73	14.75					
10	16QAM	25	25	14.75	14.78	14.81	16	0			
10	16QAM	50	0	14.81	14.89	14.81					
10	64QAM	1	0	14.81	14.70	14.73					
10	64QAM	1	25	14.71	14.79	14.70					
10	64QAM	1	49	14.68	14.78	14.76	16	0			
10	64QAM	25	0	14.78	14.79	14.75					
10	64QAM	25	12	14.83	14.82	14.79					
10	64QAM	25	25	14.85	14.77	14.83					
10	64QAM	50	0	14.77	14.75	14.80	16	0			
Channel				19975	20175	20375			Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5					
5	QPSK	1	0	14.84	14.78	14.77	16	0			
5	QPSK	1	12	14.90	14.86	14.86					
5	QPSK	1	24	14.91	14.89	14.80					
5	QPSK	12	0	14.76	14.78	14.86					
5	QPSK	12	7	14.80	14.77	14.77	16	0			
5	QPSK	12	13	14.87	14.84	14.81					
5	QPSK	25	0	14.78	14.74	14.74					
5	16QAM	1	0	14.72	14.71	14.76					
5	16QAM	1	12	14.76	14.81	14.80	16	0			
5	16QAM	1	24	14.76	14.78	14.83					
5	16QAM	12	0	14.77	14.74	14.74					
5	16QAM	12	7	14.74	14.77	14.81					
5	16QAM	12	13	14.82	14.80	14.72	16	0			
5	16QAM	25	0	14.80	14.81	14.79					
5	64QAM	1	0	14.74	14.82	14.72					
5	64QAM	1	12	14.67	14.78	14.72					
5	64QAM	1	24	14.72	14.77	14.78	16	0			
5	64QAM	12	0	14.81	14.78	14.80					
5	64QAM	12	7	14.79	14.79	14.80					
5	64QAM	12	13	14.84	14.84	14.79					
5	64QAM	25	0	14.76	14.81	14.76	16	0			
Channel				19950	20175	20400			Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5					
3	QPSK	1	0	14.87	14.78	14.85	16	0			
3	QPSK	1	8	14.90	14.87	14.86					
3	QPSK	1	14	14.90	14.84	14.95					
3	QPSK	8	0	14.84	14.83	14.80					
3	QPSK	8	4	14.86	14.78	14.83	16	0			
3	QPSK	8	7	14.87	14.77	14.87					
3	QPSK	15	0	14.73	14.82	14.83					
3	16QAM	1	0	14.69	14.76	14.77					
3	16QAM	1	8	14.83	14.78	14.82	16	0			
3	16QAM	1	14	14.80	14.87	14.80					
3	16QAM	8	0	14.69	14.77	14.71					
3	16QAM	8	4	14.80	14.79	14.75					
3	16QAM	8	7	14.78	14.73	14.78	16	0			
3	16QAM	15	0	14.78	14.86	14.76					
3	64QAM	1	0	14.81	14.70	14.74					
3	64QAM	1	8	14.72	14.75	14.79					
3	64QAM	1	14	14.70	14.79	14.69	16	0			
3	64QAM	8	0	14.73	14.80	14.76					
3	64QAM	8	4	14.66	14.84	14.85					
3	64QAM	8	7	14.81	14.82	14.79					
3	64QAM	15	0	14.79	14.88	14.78	16	0			
Channel				19925	20175	20425			Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3					
1.4	QPSK	1	0	14.84	14.86	14.83	16	0			
1.4	QPSK	1	8	14.89	14.84	14.86					
1.4	QPSK	1	14	14.90	14.84	14.95					
1.4	QPSK	8	0	14.84	14.83	14.80					
1.4	QPSK	8	4	14.86	14.78	14.83	16	0			
1.4	QPSK	8	7	14.87	14.77	14.87					
1.4	QPSK	15	0	14.73	14.82	14.83					
1.4	16QAM	1	0	14.69	14.76	14.77					
1.4	16QAM	1	8	14.83	14.78	14.82	16	0			
1.4	16QAM	1	14	14.80	14.87	14.80					
1.4	16QAM	8	0	14.69	14.77	14.71					
1.4	16QAM	8	4	14.80	14.79	14.75					
1.4	16QAM	8	7	14.78	14.73	14.78	16	0			
1.4	16QAM	15	0	14.78	14.86	14.76					
1.4	64QAM	1	0	14.81	14.70	14.74					
1.4	64QAM	1	8	14.72	14.75	14.79					
1.4	64QAM	1	14	14.70	14.79	14.69	16	0			
1.4	64QAM	8	0	14.73	14.80	14.76					
1.4	64QAM	8	4	14.66	14.84	14.85					
1.4	64QAM	8	7	14.81	14.82	14.79					
1.4	64QAM	15	0	14.79	14.88	14.78	16	0			
Channel				19950	20175	20400			Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3					
1.4	QPSK	1	0	14.84	14.86	14.83	16	0			
1.4	QPSK	1	8	14.89	14.84	14.86					
1.4	QPSK	1	14	14.90	14.84	14.95					
1.4	QPSK	8	0	14.84	14.83	14.80					
1.4	QPSK	8	4	14.86	14.78	14.83	16	0			
1.4	QPSK	8	7	14.87	14.77	14.87					
1.4	QPSK	15	0	14.73	14.82	14.83					
1.4	16QAM	1	0	14.73	14.76	14.76					
1.4	16QAM	1	8	14.81	14.76	14.84	16	0			
1.4	16QAM	1	14	14.80	14.87	14.81					
1.4	16QAM	8	0	14.70	14.71	14.74					
1.4	16QAM	8	4	14.75	14.77	14.84					
1.4	16QAM	8	7	14.77	14.72	14.82	16	0			
1.4	16QAM	15	0	14.87	14.86	14.86					
1.4	64QAM	1	0	14.76	14.83	14.74					
1.4	64QAM	1	8	14.79	14.78	14.70					
1.4	64QAM	1	14	14.79	14.88	14.76	16	0			
1.4	64QAM	8	0	14.79	14.81	14.78					
1.4	64QAM	8	4	14.63	14.82	14.87					
1.4	64QAM	8	7	14.80	14.83	14.80					
1.4	64QAM	15	0	14.79	14.79	14.80	16	0			
1.4	64QAM	8	0	14.78	14.79	14.80					
1.4	64QAM	8	4	14.78	14.81	14.80					
1.4	64QAM	8	7	14.79	14.81	14.80					
1.4	64QAM	15	0	14.80	14.80	14.80	16	0			
1.4	64QAM	8	0	14.79	14.79	14.80					
1.4	64QAM	8	4	14.78	14.81	14.80					
1.4	64QAM	8	7	14.79	14.81	14.80					
1.4	64QAM	15	0	14.80	14.80	14.80	16	0			
1.4	64QAM	8	0	14.79	14.79	14.80					
1.4	64QAM	8	4	14.78	14.81	14.80					
1.4	64QAM	8	7	14.79	14.81	14.80					
1.4	64QAM	15	0	14.80	14.80	14.80	16	0			
1.4	64QAM	8	0	14.79	14.79	14.80					
1.4	64QAM	8	4	14.78	14.81	14.80					
1.4	64QAM	8	7	14.79	14.81	14.80					
1.4	64QAM	15	0	14.80	14.80	14.80	16				

Band 5_Ant 13										Band 5_Ant 41													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)															
Channel										Channel													
Frequency (MHz)				20450	20525	20600				Frequency (MHz)				82450	82525	82600							
10	QPSK	1	0	19.08	19.08	18.98	20.5	0		10	QPSK	1	0	22.85	22.72	22.75	24.5	0					
10	QPSK	1	25	19.11	19.15	19.07				10	QPSK	1	25	22.81	22.84	22.82							
10	QPSK	1	49	19.09	19.13	19.05				10	QPSK	1	49	22.78	22.74	22.67							
10	QPSK	25	0	19.00	19.11	18.95				10	QPSK	25	0	21.64	21.74	21.77							
10	QPSK	25	12	19.07	19.13	19.02	20.5	0		10	QPSK	25	12	21.71	21.73	21.73	23.5	1					
10	QPSK	25	25	19.00	19.12	18.95				10	QPSK	25	25	21.68	21.66	21.63							
10	QPSK	50	0	19.01	19.08	19.00				10	QPSK	50	0	21.71	21.80	21.76							
10	16QAM	1	0	19.02	19.10	18.94				10	16QAM	1	0	21.77	21.84	22.02							
10	16QAM	1	25	19.01	19.06	18.94	20.5	0		10	16QAM	1	25	20.90	20.95	21.00	23.5	1					
10	16QAM	1	49	18.98	19.05	19.00				10	16QAM	1	49	21.75	22.03	21.82							
10	16QAM	25	0	19.05	19.11	18.94				10	16QAM	25	0	20.74	20.74	20.63							
10	16QAM	25	12	19.05	19.05	19.00				10	16QAM	25	12	20.74	20.62	20.68							
10	16QAM	25	25	19.06	19.10	19.01	20.5	0		10	16QAM	25	25	20.69	20.65	20.60	22.5	2					
10	16QAM	50	0	18.99	19.10	18.95				10	16QAM	50	0	20.69	20.72	20.78							
10	64QAM	1	0	19.05	19.07	18.93				10	16QAM	1	0	20.63	20.74	20.67							
10	64QAM	1	25	19.06	19.04	19.01				10	16QAM	1	25	20.90	20.97	21.05							
10	64QAM	1	49	19.04	19.12	19.00	20.5	0		10	64QAM	1	49	21.71	21.67	21.68	22.5	2					
10	64QAM	25	0	19.06	19.10	18.94				10	64QAM	25	0	19.77	19.84	19.83							
10	64QAM	25	12	19.00	19.05	18.99				10	64QAM	25	12	19.83	19.91	19.95							
10	64QAM	25	25	18.98	19.05	19.00				10	64QAM	25	25	19.82	19.78	19.81							
10	64QAM	50	0	18.99	19.06	18.96	20.5			10	64QAM	50	0	19.89	19.83	19.80	21.5	3					
Channel										Channel													
Frequency (MHz)				20425	20525	20625				Frequency (MHz)				82425	82525	82625							
5	QPSK	1	0	19.03	19.01	18.98	20.5	0		5	QPSK	1	0	22.71	22.65	22.78	24.5	0					
5	QPSK	1	12	19.02	19.04	19.08				5	QPSK	1	12	22.65	22.68	22.75							
5	QPSK	1	24	19.02	19.00	19.05				5	QPSK	1	24	22.65	22.68	22.78							
5	QPSK	12	0	19.05	19.02	19.03				5	QPSK	12	0	21.60	21.65	21.86							
5	QPSK	12	7	19.08	19.07	19.09	20.5	0		5	QPSK	12	7	21.61	21.61	21.75	23.5	1					
5	QPSK	12	13	19.06	19.07	19.08				5	QPSK	12	13	21.67	21.58	21.76							
5	QPSK	25	0	19.03	19.00	18.95				5	QPSK	25	0	21.66	21.58	21.68							
5	16QAM	1	0	19.05	19.09	19.05				5	16QAM	1	0	21.81	21.74	21.88							
5	16QAM	1	12	18.94	18.93	19.01	20.5	0		5	16QAM	1	12	22.05	21.76	21.84	23.5	1					
5	16QAM	1	24	19.01	18.92	19.02				5	16QAM	1	24	22.05	21.76	21.84							
5	16QAM	12	0	18.98	19.08	19.08				5	16QAM	12	0	20.64	20.62	20.73							
5	16QAM	12	7	18.92	19.07	19.02				5	16QAM	12	7	20.60	20.53	20.69							
5	16QAM	12	13	19.07	19.09	19.00	20.5	0		5	16QAM	12	13	20.66	20.61	20.67	22.5	2					
5	16QAM	25	0	19.09	18.99	18.99				5	16QAM	25	0	20.56	20.56	20.71							
5	64QAM	1	0	18.97	18.95	18.95				5	64QAM	1	0	20.65	20.93	21.01							
5	64QAM	1	12	18.94	18.93	18.89				5	64QAM	1	12	20.65	20.67	20.91							
5	64QAM	1	24	19.07	19.03	19.08	20.5	0		5	64QAM	1	24	20.69	20.59	20.70	22.5	2					
5	64QAM	12	0	19.04	19.03	19.07				5	64QAM	12	0	19.77	19.85	19.87							
5	64QAM	12	7	18.96	19.00	19.05				5	64QAM	12	7	19.71	19.85	19.87							
5	64QAM	12	13	19.03	19.05	19.02				5	64QAM	12	13	19.75	19.79	19.85							
5	64QAM	25	0	19.00	19.03	19.04	20.5			5	64QAM	25	0	19.75	19.77	19.92	21.5	3					
Channel										Channel													
Frequency (MHz)				824.7	836.5	847.5				Frequency (MHz)				82425	836.5	847.5							
3	QPSK	1	0	19.02	18.95	18.99	20.5	0		3	QPSK	1	0	22.58	22.57	22.67	24.5	0					
3	QPSK	1	8	19.08	19.12	19.14				3	QPSK	1	8	22.61	22.69	22.75							
3	QPSK	1	14	19.12	19.08	19.02				3	QPSK	1	14	22.54	22.50	22.55							
3	QPSK	8	0	19.01	19.08	19.06				3	QPSK	8	0	21.56	21.58	21.65							
3	QPSK	8	4	19.10	19.06	19.07	20.5	0		3	QPSK	8	4	21.54	21.61	21.65	23.5	1					
3	QPSK	8	7	19.05	19.09	19.08				3	QPSK	8	7	21.54	21.55	21.60							
3	QPSK	15	0	18.96	18.99	19.07				3	QPSK	15	0	21.57	21.59	21.64							
3	16QAM	1	0	19.05	19.04	19.07				3	16QAM	1	0	21.61	22.00	21.77							
3	16QAM	1	8	18.94	18.94	18.99	20.5	0		3	16QAM	1	8	21.99	22.02	21.86	23.5	1					
3	16QAM	1	14	18.95	18.96	19.04				3	16QAM	1	14	21.89	21.91	21.84							
3	16QAM	8	0	18.98	19.09	19.05				3	16QAM	8	0	20.61	20.71	20.76							
3	16QAM	8	4	19.01	19.05	18.93				3	16QAM	8	4	20.62	20.68	20.74							
3	16QAM	8	7	19.00	18.99	19.07	20.5	0		3	16QAM	8	7	20.68	20.53	20.61	22.5	2					
3	16QAM	15	0	19.01	19.03	19.04				3	16QAM	15	0	20.73	20.66	20.66							
3	64QAM	1	0	19.02	18.95	19.03				3	64QAM	1	0	20.80	20.65	20.92							
3	64QAM	1	8	18.91	18.90	19.01				3	64QAM	1	8	20.92	20.78	20.61							
3	64QAM	1	14	19.11	19.01	19.05	20.5	0		3	64QAM	1	14	20.86	20.82	20.51	22.5	2					
3	64QAM	8	0	19.07	19.07	19.06				3	64QAM	8	0	19.73	19.76	19.85							
3	64QAM	8	4	19.04	19.01	19.01				3	64QAM	8	4	19.74	19.74	19.80							
3	64QAM	8	7	19.04	19.05	19.06				3	64QAM	8	7	19.93	19.68	19.82							
3	64QAM	15	0	19.05	19.07	18.96	20.5			3	64QAM	15	0	19.64	19.70	19.67	21.5	3					
Channel										Channel													
Frequency (MHz)				82427	82525	82643				Frequency (MHz)				82407	82525	82643							
1.4	QPSK	1	0	18.97	18.94	19.04	20.5	0		1.4	QPSK	1	0	22.51	22.64	22.59	24.5	0					
1.4	QPSK	1	3	19.05	19.11	19.06				1.4	QPSK	1	3	22.53	22.64	22.78							
1.4	QPSK	1	5	19.03	19.04	19.07				1.4	QPSK	1	5	22.81	22.63	22.76							
1.4	QPSK	3	0	19.02	19.00	19.05				1.4	QPSK	3	0	22.59	22.78	22.81							
1.4	QPSK	3	1	19.09	19.05	19.02	20.5	0		1.4	QPSK	3	1	22.66	22.69	22.76	23.5	1					
1.4	QPSK	3	3	19.01	19.01	19.06				1.4	QPSK	3	3	22.73	22.67	22.78							
1.4	QPSK	6	0	18.95	18.98	19.04				1.4	QPSK	6	0	21.71	21.70	21.75							
1.4	16QAM	1	0	19.01	19.02	19.02				1.4	16QAM	1	0	21.54	21.81	22.15							
1.4	16QAM	1	3	19.05	19.05	18.97	20.5	0		1.4	16QAM	1	3	22.11	22.17	22.16	23.5	1					
1.4	16QAM	1	5	18.95	18.99	19.03				1.4	16QAM	1	5	21.72	21.64	22.23							
1.4	16QAM	3	0	19.06	19.08	19.00				1.4	16QAM	3	0	21.68	21.66	21.77							
1.4	16QAM	3	1	19.00	18.92	18.98				1.4	16QAM	3	1	21.73	21.74	21.70							
1.4	16QAM	3	3	19.06	19.00	18.99	20.5	0		1.4	16QAM	3	3	21.77	21.67	21.83	22.5	2					
1.4	16QAM	6	0	19.02	18.97	19.00				1.4	16QAM	6	0	20.75	20.73	20.86							
1.4	64QAM	1	0	18.94	19.08	18.94				1.4	64QAM	1	0	20.80	20.64	20.80							
1.4	64QAM	1	3	18.92	18.95	19.01				1.4	64QAM	1	3	20.87	20.80	20.93							
1.4	64QAM	1	5	19.09	18.98	19.08	20.5	0		1.4	64QAM	1	5	20.58	20.84	20.92	22.5	2					
1.4	64QAM	3	0	19.02	19.02	19.00				1.4	64QAM	3	0	20.68	20.85	20.90							
1.4	64QAM	3	1	19.05	19.05	19.01				1.4	64QAM	3	1	20.57	20.81	20.79							
1.4	64QAM	3	3	19.00	19.01	19.04				1.4	64QAM	3	3	20.69	20.78	20.90							
1.4	64QAM	6	0	19.02	19.03	19.05	20.5			1.4	64QAM	6	0	19.63	19.70	19.85	21.5	3					
Channel										Channel													
Frequency (MHz)				82427	82525	82643				Frequency (MHz)				82407	82525	82643							

Band 7_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20950	21100	21350			
Frequency (MHz)				21075	21150	21225			
20	QPSK	1	0	10.92	10.97	10.93			
20	QPSK	1	49	10.95	11.04	11.01	12	0	
20	QPSK	1	99	10.91	11.01	10.97			
20	QPSK	50	0	10.87	10.91	10.92			
20	QPSK	50	24	10.88	10.97	10.96			
20	QPSK	50	50	10.79	10.90	10.92	12	0	
20	QPSK	100	0	10.83	10.95	10.92			
20	16QAM	1	0	10.87	10.96	10.91			
20	16QAM	1	49	10.80	10.96	10.91	12	0	
20	16QAM	1	99	10.79	10.92	10.93			
20	16QAM	50	0	10.86	10.91	10.93			
20	16QAM	50	24	10.87	10.90	10.96			
20	16QAM	50	50	10.79	10.90	10.93	12	0	
20	16QAM	100	0	10.86	10.96	10.95			
20	64QAM	1	0	10.79	10.93	10.89			
20	64QAM	1	49	10.83	10.95	10.95	12	0	
20	64QAM	1	99	10.82	10.92	10.89			
20	64QAM	50	0	10.83	10.95	10.87			
20	64QAM	50	24	10.83	10.92	10.93	12	0	
20	64QAM	50	50	10.84	10.90	10.95			
20	64QAM	100	0	10.86	10.93	10.88			
Channel				20925	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				21075	21150	21425			
15	QPSK	1	0	10.92	10.87	10.94			
15	QPSK	1	37	11.03	10.96	11.01	12	0	
15	QPSK	1	74	10.89	10.99	10.89			
15	QPSK	36	0	10.88	10.90	10.82			
15	QPSK	36	20	10.86	10.94	10.89			
15	QPSK	36	39	10.87	10.81	10.82	12	0	
15	QPSK	75	0	10.87	10.92	10.94			
15	16QAM	1	0	10.76	10.81	10.87			
15	16QAM	1	37	10.85	10.89	10.89	12	0	
15	16QAM	1	74	10.88	10.82	10.86			
15	16QAM	36	0	10.82	10.89	10.83			
15	16QAM	36	20	10.77	10.77	10.86	12	0	
15	16QAM	36	39	10.78	10.78	10.84			
15	16QAM	75	0	10.95	10.85	10.87			
15	64QAM	1	0	10.78	10.84	10.81			
15	64QAM	1	37	10.94	10.93	10.86	12	0	
15	64QAM	1	74	10.82	10.82	10.88			
15	64QAM	36	0	10.94	10.92	10.91			
15	64QAM	36	20	10.83	10.91	10.91	12	0	
15	64QAM	36	39	10.82	10.87	10.89			
15	64QAM	75	0	10.83	10.84	10.92			
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				21050	21205	21405			
10	QPSK	1	0	10.84	10.91	10.85			
10	QPSK	1	25	10.96	10.91	10.96	12	0	
10	QPSK	1	49	10.90	10.91	10.96			
10	QPSK	25	0	10.84	10.87	10.80			
10	QPSK	25	12	10.89	10.84	10.84	12	0	
10	QPSK	25	25	10.79	10.79	10.84			
10	QPSK	50	0	10.88	10.82	10.90			
10	16QAM	1	0	10.79	10.75	10.83			
10	16QAM	1	25	10.86	10.86	10.86	12	0	
10	16QAM	1	49	10.90	10.90	10.87			
10	16QAM	25	0	10.81	10.80	10.89			
10	16QAM	25	12	10.84	10.87	10.79	12	0	
10	16QAM	25	25	10.86	10.84	10.89			
10	16QAM	50	0	10.83	10.82	10.88			
10	64QAM	1	0	10.79	10.81	10.92			
10	64QAM	1	25	10.82	10.88	10.85	12	0	
10	64QAM	1	49	10.77	10.89	10.85			
10	64QAM	25	0	10.91	10.92	10.88			
10	64QAM	25	12	10.90	10.91	10.91	12	0	
10	64QAM	25	25	10.82	10.87	10.89			
10	64QAM	50	0	10.90	10.88	10.84			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				21025	21205	21425			
5	QPSK	1	0	10.96	10.91	10.96			
5	QPSK	1	12	10.94	10.95	10.97	12	0	
5	QPSK	1	24	11.00	10.93	10.91			
5	QPSK	12	0	10.82	10.79	10.85			
5	QPSK	12	7	10.85	10.84	10.87	12	0	
5	QPSK	12	13	10.89	10.77	10.98			
5	QPSK	25	0	10.93	10.92	10.91			
5	16QAM	1	0	10.80	10.78	10.80			
5	16QAM	1	12	10.83	10.82	10.91	12	0	
5	16QAM	1	24	10.80	10.85	10.86			
5	16QAM	12	0	10.87	10.78	10.79			
5	16QAM	12	7	10.79	10.89	10.87	12	0	
5	16QAM	12	13	10.87	10.81	10.83			
5	16QAM	25	0	10.83	10.84	10.93			
5	64QAM	1	0	10.78	10.89	10.84			
5	64QAM	1	12	10.85	10.84	10.85	12	0	
5	64QAM	1	24	10.88	10.85	10.81			
5	64QAM	12	0	10.86	10.89	10.95			
5	64QAM	12	7	10.89	10.83	10.88	12	0	
5	64QAM	12	13	10.83	10.85	10.84			
5	64QAM	25	0	10.91	10.85	10.89			

Band 7_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20950	21100	21350			
Frequency (MHz)				21075	21150	21475			
20	QPSK	1	0	21.98	21.84	21.97			
20	QPSK	1	49	22.00	22.20	22.23	23.5	0	
20	QPSK	1	99	21.74	21.90	22.22			
20	QPSK	50	0	20.92	20.96	21.16			
20	QPSK	50	24	20.98	21.20	21.19			
20	QPSK	50	50	20.95	21.12	21.09	22.5	1	
20	QPSK	100	0	20.92	21.16	21.07			
20	16QAM	1	0	21.90	21.46	21.61			
20	16QAM	1	49	21.31	20.98	21.45	22.5	1	
20	16QAM	1	99	20.94	20.91	21.25			
20	16QAM	50	0	19.88	19.87	20.06			
20	16QAM	50	24	20.05	19.93	20.28			
20	16QAM	50	50	19.87	19.86	20.34	21.5	2	
20	16QAM	100	0	19.87	19.80	20.24			
20	64QAM	1	0	19.89	20.10	19.95			
20	64QAM	1	49	20.35	20.03	20.29	21.5	2	
20	64QAM	1	99	20.14	19.93	20.33			
20	64QAM	50	0	18.83	18.90	18.96			
20	64QAM	50	24	18.89	18.98	19.17	20.5	3	
20	64QAM	50	50	18.87	18.91	19.32			
20	64QAM	100	0	18.83	18.86	19.25			
Channel				20925	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				21075	21150	21475			
15	QPSK	1	0	21.57	21.56	21.69			
15	QPSK	1	37	21.95	21.51	21.92	23.5	0	
15	QPSK	1	74	21.54	21.67	21.60			
15	QPSK	36	0	20.55	20.57	20.74			
15	QPSK	36	20	20.65	20.68	20.82			
15	QPSK	36	39	20.61	20.63	20.89	22.5	1	
15	QPSK	75	0	20.59	20.66	20.86			
15	16QAM	1	0	21.08	21.05	21.20			
15	16QAM	1	37	21.13	20.88	20.96	22.5	1	
15	16QAM	1	74	21.08	21.08	21.14			
15	16QAM	36	0	19.60	19.62	19.69			
15	16QAM	36	20	19.63	19.72	19.82	21.5	2	
15	16QAM	36	39	19.65	19.70	19.86			
15	16QAM	75	0	19.87	19.95	19.81			
15	64QAM	1	0	19.81	19.75	19.87			
15	64QAM	1	37	19.89	19.77	20.26	21.5	2	
15	64QAM	1	74	19.57	19.75	19.63			
15	64QAM	36	0	19.54	19.54	19.64			
15	64QAM	36	20	18.72	18.73	18.80	20.5	3	
15	64QAM	36	39	18.59	18.62	18.89			
15	64QAM	75	0	18.56	18.57	18.80			
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				21050	21205	21405			
10	QPSK	1	0	21.55	21.59	21.72			
10	QPSK	1	25	21.67	21.62	21.88	23.5	0	
10	QPSK	1	49	21.61	21.61	21.89			
10	QPSK	25	0	20.54	20.57	20.63			
10	QPSK	25	12	20.64	20.64	20.80	22.5	1	
10	QPSK	25	25	20.62	20.66	20.82			
10	QPSK	50	0	20.67	20.67	20.78			
10	16QAM	1	0	20.58	20.78	20.73			
10	16QAM	1	25	20.88	20.50	21.26	22.5	1	
10	16QAM	1	49	21.11	21.08	21.29			
10	16QAM	25	0	19.89	19.93	19.89	21.5	2	
10	16QAM	25	12	19.67	19.67	19.78			
10	16QAM	25	25	19.62	19.61	19.84			
10	16QAM	50	0	19.65	19.69	19.74			
10	64QAM	1	0	19.52	19.85	19.63			
10	64QAM	1	25	19.62	19.84	19.92	21.5	2	
10	64QAM	1	49	19.67	19.68	20.08			
10	64QAM	25	0	18.54	18.59	18.62			
10	64QAM	25	12	18.56	18.57	18.67	20.5	3	
10	64QAM	25	25	18.63	18.68	18.78			
10	64QAM	50	0	18.59	18.62	18.78			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									



Reduced Power for DSI 2

Band 66_Ant 13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				130072	130332	130592				
20	QPSK	1	0	15.43	15.49	15.42				
20	QPSK	1	49	15.51	15.54	15.47	16.2	0		
20	QPSK	1	99	15.47	15.45	15.46				
20	QPSK	50	0	15.37	15.39	15.37				
20	QPSK	50	24	15.43	15.33	15.46	16.2	0		
20	QPSK	50	50	15.35	15.44	15.39				
20	QPSK	100	0	15.35	15.45	15.43				
20	16QAM	1	0	15.36	15.46	15.43				
20	16QAM	1	49	15.34	15.44	15.38	16.2	0		
20	16QAM	1	99	15.40	15.47	15.43				
20	16QAM	50	0	15.41	15.45	15.37				
20	16QAM	50	24	15.35	15.45	15.45	16.2	0		
20	16QAM	50	50	15.34	15.50	15.39				
20	16QAM	100	0	15.35	15.47	15.37				
20	64QAM	1	0	15.39	15.48	15.39				
20	64QAM	1	49	15.41	15.47	15.42	16.2	0		
20	64QAM	1	99	15.42	15.51	15.45				
20	64QAM	50	0	15.41	15.48	15.42				
20	64QAM	50	24	15.38	15.52	15.41	16.2	0		
20	64QAM	50	50	15.37	15.52	15.42				
20	64QAM	100	0	15.38	15.49	15.40				
Channel										
Frequency (MHz)				1717.5	1745	1772.5	Turn-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	15.45	15.46	15.43	16.2	0		
15	QPSK	1	37	15.45	15.48	15.43				
15	QPSK	1	74	15.33	15.36	15.34				
15	QPSK	36	0	15.44	15.37	15.43				
15	QPSK	36	39	15.48	15.37	15.45	16.2	0		
15	QPSK	36	39	15.33	15.39	15.33				
15	QPSK	75	0	15.43	15.41	15.45				
15	16QAM	1	0	15.37	15.35	15.45	16.2	0		
15	16QAM	1	37	15.37	15.37	15.40				
15	16QAM	1	74	15.34	15.34	15.44				
15	16QAM	36	0	15.39	15.48	15.45				
15	16QAM	36	20	15.34	15.34	15.36	16.2	0		
15	16QAM	36	39	15.46	15.38	15.45				
15	16QAM	75	0	15.36	15.39	15.43				
15	64QAM	1	0	15.43	15.40	15.43	16.2	0		
15	64QAM	1	37	15.38	15.39	15.40				
15	64QAM	1	74	15.37	15.47	15.40				
15	64QAM	36	0	15.44	15.39	15.43				
15	64QAM	36	20	15.51	15.45	15.42	16.2	0		
15	64QAM	36	39	15.47	15.47	15.46				
15	64QAM	75	0	15.48	15.41	15.48				
Channel										
Frequency (MHz)				1717.5	1745	1772.5	Turn-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	15.38	15.41	15.48	16.2	0		
10	QPSK	1	25	15.48	15.48	15.39				
10	QPSK	1	49	15.44	15.37	15.39				
10	QPSK	25	0	15.43	15.49	15.40				
10	QPSK	25	12	15.46	15.43	15.49	16.2	0		
10	QPSK	25	25	15.42	15.39	15.41				
10	QPSK	50	0	15.46	15.39	15.37				
10	16QAM	1	0	15.42	15.38	15.48	16.2	0		
10	16QAM	1	25	15.34	15.36	15.43				
10	16QAM	1	49	15.42	15.37	15.40				
10	16QAM	25	0	15.47	15.47	15.47	16.2	0		
10	16QAM	25	12	15.33	15.42	15.36				
10	16QAM	25	25	15.37	15.47	15.39				
10	16QAM	50	0	15.34	15.36	15.39				
10	64QAM	1	0	15.38	15.48	15.44				
10	64QAM	1	25	15.33	15.46	15.42	16.2	0		
10	64QAM	1	49	15.36	15.47	15.36				
10	64QAM	25	0	15.46	15.45	15.42				
10	64QAM	25	12	15.47	15.49	15.50	16.2	0		
10	64QAM	25	25	15.42	15.49	15.44				
10	64QAM	50	0	15.44	15.45	15.42				
Channel										
Frequency (MHz)				1717.5	1745	1772.5	Turn-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	15.38	15.37	15.38	16.2	0		
5	QPSK	1	12	15.43	15.45	15.46				
5	QPSK	1	24	15.34	15.33	15.41				
5	QPSK	12	0	15.43	15.48	15.44				
5	QPSK	12	7	15.51	15.43	15.47	16.2	0		
5	QPSK	12	13	15.33	15.39	15.31				
5	QPSK	25	0	15.47	15.47	15.47				
5	16QAM	1	0	15.49	15.41	15.44				
5	16QAM	1	12	15.31	15.34	15.37	16.2	0		
5	16QAM	1	24	15.36	15.38	15.37				
5	16QAM	12	0	15.41	15.42	15.41				
5	16QAM	12	7	15.35	15.34	15.37	16.2	0		
5	16QAM	12	13	15.37	15.47	15.39				
5	16QAM	25	0	15.45	15.41	15.40				
5	64QAM	1	0	15.37	15.41	15.40				
5	64QAM	1	12	15.45	15.34	15.45	16.2	0		
5	64QAM	1	24	15.37	15.36	15.36				
5	64QAM	12	0	15.42	15.42	15.43				
5	64QAM	12	7	15.47	15.42	15.45	16.2	0		
5	64QAM	12	13	15.43	15.45	15.45				
5	64QAM	25	0	15.48	15.47	15.45				
Channel										
Frequency (MHz)				1717.5	1745	1772.5	Turn-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	15.38	15.37	15.43	16.2	0		
3	QPSK	1	8	15.52	15.52	15.42				
3	QPSK	1	14	15.35	15.39	15.36				
3	QPSK	8	0	15.48	15.40	15.42	16.2	0		
3	QPSK	8	4	15.52	15.45	15.42				
3	QPSK	8	7	15.41	15.38	15.40				
3	QPSK	15	0	15.42	15.42	15.41				
3	16QAM	1	0	15.44	15.40	15.45				
3	16QAM	1	8	15.36	15.39	15.39	16.2	0		
3	16QAM	1	14	15.40	15.39	15.37				
3	16QAM	8	0	15.39	15.47	15.45				
3	16QAM	8	4	15.34	15.37	15.37	16.2	0		
3	16QAM	15	0	15.37	15.37	15.40				
3	64QAM	1	0	15.37	15.37	15.36				
3	64QAM	1	8	15.38	15.35	15.33	16.2	0		
3	64QAM	1	14	15.46	15.50	15.48				
3	64QAM	8	0	15.43	15.47	15.46				
3	64QAM	8	4	15.51	15.42	15.45	16.2	0		
3	64QAM	8	7	15.51	15.48	15.43				
3	64QAM	15	0	15.46	15.41	15.42				
Channel										
Frequency (MHz)				1717.5	1745	1772.5	Turn-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	15.46	15.40	15.36	16.2	0		
1.4	QPSK	1	3	15.50	15.46	15.53				
1.4	QPSK	1	5	15.34	15.40	15.32				
1.4	QPSK	3	0	15.44	15.40	15.45				
1.4	QPSK	3	1	15.42	15.40	15.32	23.7	0		
1.4	QPSK	3	3	15.33	15.42	15.42				
1.4	QPSK	6	0	15.38	15.43	15.39	16.2	0		
1.4	16QAM	1	0	15.41	15.48	15.40				
1.4	16QAM	1	3	15.35	15.37	15.32				
1.4	16QAM	1	5	15.39	15.39	15.46	16.2	0		
1.4	16QAM	3	0	15.47	15.38	15.36				
1.4	16QAM	3	1	15.32	15.41	15.36				
1.4	16QAM	3	3	15.41	15.39	15.44				
1.4	16QAM	6	0	15.39	15.43	15.36	16.2	0		
1.4	64QAM	1	0	15.43	15.38	15.44				
1.4	64QAM	1	3	15.38	15.42	15.40				
1.4	64QAM	1	5	15.41	15.43	15.37	16.2	0		
1.4	64QAM	3	0	15.46	15.38	15.47				
1.4	64QAM	3	1	15.46	15.41	15.39				
1.4	64QAM	3	3	15.46	15.47	15.46				
1.4	64QAM	6	0	15.40	15.41	15.44	16.2	0		

Band 66_Ant 31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				130072	130332	130592				
20	QPSK	1	0	22.28	22.54	22.56				
20	QPSK	1	49	22.53	22.65	22.65	23.7	0		
20	QPSK	1	99	22.28	22.59	22.43				
20	QPSK	50	0	21.41	21.68	21.66				
20	QPSK	50	24	21.58	21.69	21.66	22.7	1		
20	QPSK	50	50	21.50	21.64	21.63				
20	QPSK	100	0	21.41	21.71	21.63				
20	16QAM	1	0	21.59	21.45	21.62				
20	16QAM	1	49	21.58	21.78	21.67	22.7	1		
20	16QAM	1	99	21.54	21.26	21.94				
20	16QAM	50	0	21.46	21.64	21.66				
20	16QAM	50	24	21.48	21.60	21.65	21.7	2		
20	16QAM	50	50	20.45	20.65	20.55				
20	16QAM	100	0	20.45	20.57	20.54				

Band 38_Ant 13										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)		
Channel				37650	38000	38150				
Frequency (MHz)										
20	QPSK	1	0	13.12	13.19	13.20	14.4	0		
20	QPSK	1	49	13.18	13.27	13.26				
20	QPSK	1	99	13.14	13.25	13.20				
20	QPSK	50	0	13.13	13.16	13.11	14.4	0		
20	QPSK	50	24	13.17	13.19	13.17				
20	QPSK	50	50	13.13	13.11	13.11				
20	QPSK	100	0	13.15	13.17	13.10	14.4	0		
20	16QAM	1	0	13.10	13.14	13.15				
20	16QAM	1	49	13.14	13.13	13.16				
20	16QAM	1	99	13.11	13.15	13.08	14.4	0		
20	16QAM	50	0	13.11	13.15	13.11				
20	16QAM	50	24	13.09	13.14	13.08				
20	16QAM	50	50	13.13	13.14	13.16	14.4	0		
20	16QAM	100	0	13.16	13.18	13.14				
20	64QAM	1	0	13.09	13.14	13.13				
20	64QAM	1	49	13.08	13.15	13.16	14.4	0		
20	64QAM	1	99	13.08	13.14	13.08				
20	64QAM	50	0	13.16	13.18	13.14				
20	64QAM	50	24	13.13	13.10	13.15	14.4	0		
20	64QAM	50	50	13.12	13.15	13.10				
20	64QAM	100	0	13.12	13.16	13.14				
Channel				37625	38000	38175	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
15	QPSK	1	0	13.14	13.15	13.13	14.4	0		
15	QPSK	1	37	13.19	13.25	13.25				
15	QPSK	1	74	13.24	13.19	13.18				
15	QPSK	36	0	13.04	13.13	13.07	14.4	0		
15	QPSK	36	20	13.07	13.09	13.07				
15	QPSK	36	39	13.08	13.04	12.99				
15	QPSK	75	0	13.06	13.07	13.06	14.4	0		
15	16QAM	1	0	13.06	13.09	13.12				
15	16QAM	1	37	13.12	13.04	13.11				
15	16QAM	1	74	13.04	13.09	13.12	14.4	0		
15	16QAM	36	0	13.02	13.13	13.10				
15	16QAM	36	20	13.07	13.04	13.13				
15	16QAM	36	39	13.03	13.08	13.10	14.4	0		
15	16QAM	75	0	13.04	13.12	13.05				
15	64QAM	1	0	13.10	13.01	13.08				
15	64QAM	1	37	13.10	13.09	13.06	14.4	0		
15	64QAM	1	74	13.04	13.05	13.07				
15	64QAM	36	0	13.10	13.12	13.11				
15	64QAM	36	20	13.07	13.06	13.07	14.4	0		
15	64QAM	36	39	13.12	13.11	13.14				
15	64QAM	75	0	13.15	13.10	13.06				
Channel				37650 <th>38000</th> <th>38200</th> <th>Time-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	38000	38200	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
10	QPSK	1	0	13.10	13.17	13.15	14.4	0		
10	QPSK	1	25	13.24	13.25	13.23				
10	QPSK	1	49	13.23	13.15	13.16				
10	QPSK	25	0	13.10	13.06	13.10	14.4	0		
10	QPSK	25	12	13.17	13.11	13.15				
10	QPSK	25	25	13.07	13.08	13.06				
10	QPSK	50	0	13.04	13.14	13.16	14.4	0		
10	16QAM	1	0	13.09	13.12	13.01				
10	16QAM	1	25	13.07	13.05	13.08				
10	16QAM	1	49	13.02	13.05	13.08	14.4	0		
10	16QAM	25	0	13.11	13.13	13.13				
10	16QAM	25	12	13.01	13.02	13.07				
10	16QAM	25	25	13.09	13.08	13.06	14.4	0		
10	16QAM	50	0	13.06	13.10	13.03				
10	64QAM	1	0	13.05	12.99	13.05				
10	64QAM	1	25	13.01	13.08	13.09	14.4	0		
10	64QAM	1	49	13.07	13.10	13.08				
10	64QAM	25	0	13.14	13.14	13.09				
10	64QAM	25	12	13.02	13.07	13.04	14.4	0		
10	64QAM	25	25	13.12	13.13	13.14				
10	64QAM	50	0	13.15	13.15	13.08				
Channel				2597.5 <th>2595</th> <th>2617.5</th> <th>Time-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	2595	2617.5	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
5	QPSK	1	0	13.15	13.15	13.13	14.4	0		
5	QPSK	1	12	13.15	13.22	13.20				
5	QPSK	1	24	13.13	13.13	13.22				
5	QPSK	12	0	13.09	13.11	13.06	14.4	0		
5	QPSK	12	7	13.15	13.10	13.06				
5	QPSK	12	13	13.04	13.00	13.09				
5	QPSK	25	0	13.12	13.13	13.05	14.4	0		
5	16QAM	1	0	13.13	13.09	13.06				
5	16QAM	1	12	13.06	13.03	13.05				
5	16QAM	1	24	13.08	13.09	13.11	14.4	0		
5	16QAM	12	0	13.13	13.09	13.12				
5	16QAM	12	7	13.10	13.07	13.04				
5	16QAM	12	13	13.05	13.02	13.02	14.4	0		
5	16QAM	25	0	13.13	13.10	13.12				
5	64QAM	1	0	13.04	13.01	13.04				
5	64QAM	1	12	13.13	13.09	13.01	14.4	0		
5	64QAM	12	0	13.12	13.17	13.14				
5	64QAM	12	7	13.08	13.03	13.08				
5	64QAM	12	13	13.09	13.14	13.08	14.4	0		
5	64QAM	25	0	13.14	13.10	13.14				

Band 38_Ant 31									
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Time-up limit (ms)	MPR (dB)	
Channel				37650	38000	38150			
Frequency (MHz)				2575	2595	2615			
20	QPSK	1	0	22.43	22.49	22.53	23.8	0	
20	QPSK	1	49	22.68	22.79	22.77			
20	QPSK	1	99	22.67	22.60	22.73			
20	QPSK	50	0	21.55	21.68	21.64	22.8	1	
20	QPSK	50	24	21.68	21.76	21.77			
20	QPSK	50	50	21.67	21.68	21.72			
20	QPSK	100	0	21.84	21.86	21.83	22.8	1	
20	16QAM	1	0	21.87	21.94	21.93			
20	16QAM	1	49	21.86	21.77	21.73			
20	16QAM	1	99	21.86	21.81	21.89	21.8	2	
20	16QAM	50	0	20.54	20.63	20.66			
20	16QAM	50	24	20.63	20.69	20.72			
20	16QAM	50	50	20.69	20.66	20.69	21.8	2	
20	16QAM	100	0	20.60	20.65	20.68			
20	16QAM	1	0	20.09	20.18	20.20			
20	64QAM	1	49	20.35	20.43	20.39	21.8	2	
20	64QAM	1	99	20.33	20.31	20.36			
20	64QAM	50	0	19.50	19.62	19.60			
20	64QAM	50	24	19.59	19.67	19.67	20.8	3	
20	64QAM	50	50	19.58	19.63	19.68			
20	64QAM	100	0	19.58	19.63	19.66			
Channel				37625	38000	38175	Time-up limit (ms)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
15	QPSK	1	0	22.30	22.39	22.46	23.8	0	
15	QPSK	1	37	22.41	22.61	22.62			
15	QPSK	1	74	22.37	22.52	22.57			
15	QPSK	36	0	21.31	21.40	21.40	22.8	1	
15	QPSK	36	20	21.35	21.46	21.45			
15	QPSK	36	39	21.35	21.45	21.47			
15	QPSK	75	0	21.36	21.46	21.43	22.8	1	
15	16QAM	1	0	21.24	21.39				
15	16QAM	1	37	21.35	21.45	21.54			
15	16QAM	1	74	21.43	21.52	21.51	21.8	2	
15	16QAM	1	99	20.24	20.30	20.37			
15	16QAM	36	20	20.30	20.41	20.45			
15	16QAM	36	39	20.33	20.44	20.45	21.8	2	
15	16QAM	75	0	20.38	20.46	20.45			
15	16QAM	1	0	20.03	20.03	20.12			
15	16QAM	1	37	20.10	20.22	20.25	21.8	2	
15	16QAM	1	74	20.08	20.18	20.26			
15	16QAM	36	20	20.29	20.39	20.41			
15	64QAM	36	20	19.33	19.42	19.41	20.8	3	
15	64QAM	36	39	19.31	19.44	19.45			
15	64QAM	75	0	19.31	19.35	19.40			
Channel				37600	38000	38200	Time-up limit (ms)	MPR (dB)	
Frequency (MHz)				2575 <th>2595</th> <th>2615</th> <th></th> <th></th> <th></th>	2595	2615			
10	QPSK	1	0	22.33	22.32	22.44	23.8	0	
10	QPSK	1	24	22.43	22.39	22.56			
10	QPSK	1	49	22.43	22.30	22.69			
10	QPSK	1	74	21.33	21.49	21.52	22.8	1	
10	QPSK	1	99	21.38	21.41	21.52			
10	QPSK	25	25	21.38	21.45	21.57			
10	QPSK	50	0	21.42	21.51	21.52	22.8	1	
10	QPSK	1	0	21.20	21.46	21.50			
10	QPSK	1	24	21.43	21.39	21.56			
10	16QAM	1	49	21.37	21.52	21.61	21.8	1	
10	16QAM	25	0	20.31	20.47	20.52			
10	16QAM	25	25	20.34	20.41	20.52			
10	16QAM	25	25	20.36	20.45	20.58	21.8	2	
10	16QAM	50	0	20.39	20.44	20.56			
10	16QAM	1	0	19.96	20.10	20.14			
10	16QAM	1	24	20.14	20.20	20.23	21.8	2	
10	16QAM	1	49	20.11	20.18	20.26			
10	16QAM	25	0	19.34	19.51	19.54			
10	16QAM	25	12	19.39	19.46	19.55	20.8	3	
10	16QAM	25	25	19.39	19.46	19.55			
10	16QAM	50	0	19.33	19.44	19.46			
Channel				37575	38000	38175	Time-up limit (ms)	MPR (dB)	
Frequency (MHz)				2572.5 <th>2595<th>2617.5</th><th></th><th></th><th></th></th>	2595 <th>2617.5</th> <th></th> <th></th> <th></th>	2617.5			
5	QPSK	1	0	22.32	22.28	22.55	23.8	0	
5	QPSK	1	12	22.44	22.37	22.65			
5	QPSK	1	24	22.44	22.30	22.69			
5	QPSK	12	0	21.31	21.51	21.53	22.8	1	
5	QPSK	12	7	21.36	21.46	21.61			
5	QPSK	12	14	21.36	21.41	21.62			
5	QPSK	25	0	21.34	21.42	21.56	22.8	1	
5	16QAM	1	0	21.33	21.51	21.56			
5	16QAM	1	12	21.45	21.50	21.56			
5	16QAM	1	24	21.45	21.41	21.52	21.8	2	
5	16QAM	12	0	20.26	20.44	20.49			
5	16QAM	12	7	20.29	20.38	20.45			
5	16QAM	1	0	20.24	20.20	20.24	21.8	2	
5	16QAM	1	12	20.31	20.48	20.54			
5	16QAM	1	24	20.31	20.48	20.54			
5	16QAM	12	0	19.29	19.47	19.51	20.8	3	
5	16QAM	12	7	19.26	19.38	19.46			
5	16QAM	12	14	19.31	19.43	19.49			
5	16QAM	25	0	19.27	19.44	19.50	20.8	3	
5	16QAM	25	0	19.27	19.44	19.50			



Reduced Power for DSI 2

Band 41_Ant 13										
BW (kHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mode Ch / Freq	Power Mode Ch / Freq	Power High Mode Ch / Freq	Power High Ch / Freq	Turn-up Int. (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2503.5	2548.5	2593.5	2638.5	2683.5		
20	QPSK	1	0	13.24	13.26	13.30	13.27	13.29	14.4	0
20	QPSK	1	49	13.27	13.28	13.31	13.29	13.30		
20	QPSK	1	99	13.24	13.16	13.27	13.20	13.23		
20	QPSK	50	0	13.16	13.19	13.17	13.12	13.15	14.4	0
20	QPSK	50	24	13.18	13.22	13.26	13.24	13.24		
20	QPSK	50	50	13.09	13.11	13.14	13.13	13.20	14.4	0
20	QPSK	100	0	13.10	13.20	13.22	13.14	13.19		
20	16QAM	1	0	13.15	13.15	13.16	13.14	13.18	14.4	0
20	16QAM	1	49	13.23	13.22	13.18	13.16	13.24		
20	16QAM	1	99	13.11	13.19	13.17	13.15	13.11	14.4	0
20	16QAM	50	0	13.11	13.11	13.10	13.10	13.06		
20	16QAM	50	24	13.15	13.13	13.14	13.05	13.05	14.4	0
20	16QAM	50	50	12.96	12.96	12.98	13.01	12.99		
20	16QAM	100	0	13.06	13.04	13.03	13.09	13.00	14.4	0
20	16QAM	1	0	13.15	13.15	13.10	13.14	13.16		
20	16QAM	1	49	13.23	13.22	13.18	13.16	13.24	14.4	0
20	16QAM	1	99	13.11	13.19	13.17	13.15	13.11		
20	16QAM	50	0	13.11	13.11	13.10	13.10	13.06	14.4	0
20	16QAM	50	24	13.15	13.13	13.14	13.05	13.05		
20	16QAM	50	50	12.96	12.96	12.98	13.01	12.99	14.4	0
20	16QAM	100	0	13.06	13.04	13.03	13.09	13.00		
Channel				39725	40173	40620	41068	41515	Turn-up Int. (dBm)	MPR (dB)
Frequency (MHz)				2501.5	25463	25912	26362	26812		
15	QPSK	1	0	13.19	13.22	13.22	13.22	13.22	14.4	0
15	QPSK	1	37	13.21	13.24	13.23	13.22	13.19		
15	QPSK	1	74	13.28	13.18	13.24	13.23	13.18	14.4	0
15	QPSK	36	0	13.11	13.15	13.09	13.13	13.05		
15	QPSK	36	20	13.23	13.18	13.22	13.18	13.18	14.4	0
15	QPSK	36	39	13.03	13.10	13.12	13.07	13.02		
15	QPSK	75	0	13.15	13.13	13.19	13.11	13.16	14.4	0
15	16QAM	1	0	13.11	13.13	13.06	13.06	13.16		
15	16QAM	1	37	13.15	13.08	13.11	13.11	13.09	14.4	0
15	16QAM	1	74	13.10	13.06	13.06	13.09	13.10		
15	16QAM	36	0	13.11	13.04	13.09	13.09	13.12	14.4	0
15	16QAM	36	20	13.07	13.02	13.06	13.09	13.11		
15	16QAM	36	39	12.91	12.93	12.86	12.88	12.87	14.4	0
15	16QAM	75	0	12.92	12.90	12.99	12.99	12.91		
15	16QAM	1	0	13.09	13.12	13.12	13.09	13.12	14.4	0
15	16QAM	1	37	13.17	13.13	13.12	13.13	13.09		
15	16QAM	1	74	13.13	13.13	13.07	13.06	13.02	14.4	0
15	16QAM	36	0	13.09	13.14	13.07	13.07	13.05		
15	16QAM	36	20	13.12	13.05	13.05	13.05	13.10	14.4	0
15	16QAM	36	39	12.90	12.95	12.90	12.94	12.92		
15	16QAM	75	0	13.01	12.99	12.94	12.97	12.93	Turn-up Int. (dBm)	MPR (dB)
Channel				39750	40160	40620	41080	41460		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	13.18	13.19	13.20	13.21	13.19	14.4	0
10	QPSK	1	25	13.28	13.19	13.29	13.24	13.29		
10	QPSK	1	49	13.16	13.19	13.16	13.16	13.26	14.4	0
10	QPSK	25	0	13.05	13.13	13.15	13.05	13.12		
10	QPSK	25	12	13.23	13.20	13.19	13.13	13.23	14.4	0
10	QPSK	25	25	13.08	13.07	13.12	13.02	13.10		
10	QPSK	50	0	13.12	13.09	13.16	13.21	13.17	14.4	0
10	16QAM	1	0	13.11	13.09	13.11	13.14	13.15		
10	16QAM	1	25	13.07	13.05	13.17	13.12	13.10	14.4	0
10	16QAM	1	49	13.06	13.12	13.06	13.04	13.09		
10	16QAM	25	0	13.14	13.09	13.04	13.10	13.07	14.4	0
10	16QAM	25	12	13.12	13.10	13.11	13.11	13.03		
10	16QAM	25	25	12.97	12.94	12.96	12.85	12.91	14.4	0
10	16QAM	50	0	12.99	12.97	12.92	12.96	13.02		
10	16QAM	1	0	13.11	13.04	13.05	13.05	13.05	14.4	0
10	16QAM	1	25	13.04	13.09	13.05	13.16	13.13		
10	16QAM	1	49	13.04	13.03	13.08	13.14	13.10	14.4	0
10	16QAM	25	0	13.08	13.05	13.13	13.07	13.14		
10	16QAM	25	12	13.10	13.07	13.05	13.06	13.10	14.4	0
10	16QAM	25	25	12.88	12.83	12.88	12.80	12.96		
10	16QAM	50	0	12.96	13.02	13.02	12.97	13.02	Turn-up Int. (dBm)	MPR (dB)
Channel				39750	40160	40620	41080	41460		
Frequency (MHz)				2501	2547	2593	2639	2685		
5	QPSK	1	0	13.28	13.25	13.21	13.18	13.18	14.4	0
5	QPSK	1	12	13.15	13.25	13.26	13.26	13.24		
5	QPSK	1	24	13.19	13.21	13.21	13.15	13.19	14.4	0
5	QPSK	12	0	13.07	13.13	13.09	13.05	13.09		
5	QPSK	12	7	13.13	13.24	13.24	13.16	13.21	14.4	0
5	QPSK	12	13	13.05	13.11	13.04	13.12	13.10		
5	QPSK	25	0	13.16	13.20	13.10	13.17	13.13	14.4	0
5	16QAM	1	0	13.05	13.17	13.17	13.16	13.06		
5	16QAM	1	12	13.16	13.05	13.13	13.15	13.11	14.4	0
5	16QAM	1	24	13.08	13.08	13.07	13.05	13.16		
5	16QAM	12	0	13.12	13.07	13.12	13.04	13.06	14.4	0
5	16QAM	12	7	13.06	13.09	13.01	13.12	13.04		
5	16QAM	12	13	12.88	12.86	12.90	12.85	12.95	14.4	0
5	16QAM	25	0	12.95	12.93	12.92	12.83	12.96		
5	16QAM	1	0	13.11	13.13	13.11	13.17	13.05	14.4	0
5	16QAM	1	12	13.11	13.16	13.04	13.08	13.11		
5	16QAM	1	24	13.15	13.12	13.12	13.11	13.02	14.4	0
5	16QAM	12	0	13.05	13.05	13.06	13.08	13.09		
5	16QAM	12	7	13.12	13.11	13.10	13.07	13.09	14.4	0
5	16QAM	12	13	12.92	12.83	12.84	12.97	12.96		
5	16QAM	25	0	12.96	12.95	12.96	12.83	12.94	Turn-up Int. (dBm)	

Band 41_Ant 31										
BW (kHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mode Ch / Freq	Power Mode Ch / Freq	Power High Mode Ch / Freq	Power High Ch / Freq	Turn-up Int. (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2503.5	2548.5	2593.5	2638.5	2683.5		
20	QPSK	1	0	22.20	22.22	22.32	22.32	22.33	23.8	0
20	QPSK	1	49	22.37	22.44	22.83	22.71	22.63		
20	QPSK	1	99	22.25	22.43	22.79	22.67	22.64		
20	QPSK	50	0	21.26	21.39	21.56	21.66	21.66	23.8	1
20	QPSK	50	24	21.45	21.45	21.70	21.67	21.71		
20	QPSK	50	50	21.43	21.36	21.70	21.64	21.68	23.8	1
20	QPSK	100	0	21.33	21.33	21.72	21.69	21.69		
20	16QAM	1	0	21.20	21.26	21.46	21.58	21.58	23.8	1
20	16QAM	1	49	21.40	21.47	21.62	21.78	21.73		
20	16QAM	1	99	21.27	21.37	21.61	21.57	21.57	23.8	1
20	16QAM	50	0	20.25	20.31	20.57	20.65	20.72		
20	16QAM	50	24	20.35	20.37	20.62	20.67	20.64	23.8	2
20	16QAM	50	50	20.41	20.37	20.58	20.74	20.70		
20	16QAM	100	0	20.36	20.36	20.59	20.72	20.72	23.8	2
20	16QAM	1	0	19.92	19.90	20.16	20.24	20.35		
20	16QAM	1	49	20.13	20.15	20.37	20.42	20.44	23.8	2
20	16QAM	1	99	19.94	20.07	20.31	20.37	20.38		
20	16QAM	50	0	19.16	19.33	19.54	19.62	19.65	23.8	3
20	16QAM	50	24	19.31	19.36	19.58	19.65	19.64		
20	16QAM	50	50	19.34	19.32	19.56	19.72	19.69	23.8	3
20	16QAM	100	0	19.29	19.32	19.57	19.65	19.65		
Channel				39725	40173	40620	41068	41515	Turn-up Int. (dBm)	MPR (dB)
Frequency (MHz)				2220.5	22653	23102	23552	24002		
15	QPSK	1	0	22.02	22.14	22.32	22.32	22.37	23.8	0
15	QPSK	1	37	22.12	22.08	22.43	22.53	22.53		
15	QPSK	1	74	22.09	22.16	22.39	22.52	22.46	23.8	0
15	QPSK	36	0	20.93	21.07	21.13	21.39	21.45		
15	QPSK	36	20	21.02	21.03	21.39	21.48	21.41	23.8	1
15	QPSK	36	39	21.09	21.03	21.37	21.56	21.45		
15	QPSK	75	0	21.11	21.05	21.49	21.58	21.42	23.8	1
15	16QAM	1	0	21.06	21.01	21.27	21.39	21.44		
15	16QAM	1	37	21.14	21.16	21.46	21.49	21.47	23.8	1
15	16QAM	1	74	21.11	21.14	21.35	21.51	21.46		
15	16QAM	36	0	19.95	19.96	19.95	19.95	19.95	23.8	2
15	16QAM	36	20	20.07	19.96	20.36	20.45	20.40		
15	16QAM	36	39	20.02	20.05	20.38	20.48	20.46	23.8	2
15	16QAM	75	0	20.01	20.03	20.37	20.45	20.44		
15	16QAM	1	0	19.84	19.87	20.02	20.08	20.19	23.8	2
15	16QAM	1	37	19.85	19.86	20.				



Reduced Power for DSI 3

Band 2_Ant 13										Band 2_Ant 31															
SW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq 18700	Power Middle Ch. Freq 18800	Power High Ch. Freq 19100	Tune-up limit (dBm)	MPR (dB)		SW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq 18700	Power Middle Ch. Freq 18800	Power High Ch. Freq 19100	Tune-up limit (dBm)	MPR (dB)							
Channel										Channel															
Frequency (MHz)										Frequency (MHz)															
20	QPSK	1	0	10.48	10.50	10.50	11.5	0		20	QPSK	1	0	22.71	22.59	22.82	24	0							
20	QPSK	1	49	10.51	10.50	10.50																			
20	QPSK	1	99	10.46	10.54	10.50																			
20	QPSK	50	0	10.36	10.51	10.46																			
20	QPSK	50	24	10.45	10.56	10.49	11.5	0		20	QPSK	50	24	21.73	21.97	21.63	23	1							
20	QPSK	50	50	10.37	10.51	10.44																			
20	QPSK	100	0	10.36	10.52	10.44																			
20	16QAM	1	0	10.37	10.54	10.43																			
20	16QAM	1	49	10.43	10.53	10.47	11.5	0		20	16QAM	1	0	21.88	21.91	22.22	23	1							
20	16QAM	1	99	10.42	10.57	10.42																			
20	16QAM	50	0	10.36	10.49	10.46																			
20	16QAM	50	24	10.40	10.51	10.45																			
20	16QAM	50	50	10.37	10.56	10.46	11.5	0		20	16QAM	50	24	20.70	20.74	21.08	22	2							
20	16QAM	100	0	10.36	10.54	10.47																			
20	64QAM	1	0	10.37	10.54	10.44																			
20	64QAM	1	49	10.44	10.55	10.47																			
20	64QAM	1	99	10.36	10.51	10.47	11.5	0		20	64QAM	1	49	21.05	20.70	21.03	22								
20	64QAM	50	0	10.36	10.54	10.45																			
20	64QAM	50	24	10.40	10.51	10.46																			
20	64QAM	50	50	10.42	10.52	10.41																			
20	64QAM	100	0	10.42	10.54	10.46				20	64QAM	50	50	19.60	19.81	19.97	21								
Channel										Channel															
Frequency (MHz)										Frequency (MHz)															
15	QPSK	1	0	10.49	10.43	10.46	11.5	0		15	QPSK	1	0	22.27	22.46	22.41	24	0							
15	QPSK	1	37	10.49	10.46	10.46																			
15	QPSK	1	74	10.43	10.41	10.48																			
15	QPSK	36	0	10.42	10.48	10.43																			
15	QPSK	36	20	10.51	10.51	10.50	11.5	0		15	QPSK	36	20	21.45	21.64	21.62	23	1							
15	QPSK	36	39	10.40	10.45	10.45																			
15	QPSK	75	0	10.48	10.44	10.51																			
15	16QAM	1	0	10.44	10.46	10.45																			
15	16QAM	1	37	10.50	10.47	10.44	11.5	0		15	16QAM	1	0	21.53	21.81	21.56	23	1							
15	16QAM	1	74	10.44	10.54	10.48																			
15	16QAM	36	0	10.44	10.42	10.47																			
15	16QAM	36	20	10.45	10.47	10.46																			
15	16QAM	36	39	10.48	10.53	10.49	11.5	0		15	16QAM	36	20	20.68	20.57	20.76	22	2							
15	16QAM	75	0	10.52	10.52	10.48																			
15	64QAM	1	0	10.47	10.50	10.53																			
15	64QAM	1	37	10.45	10.47	10.45																			
15	64QAM	1	74	10.36	10.47	10.36	11.5	0		15	64QAM	1	37	20.60	20.66	20.60	22	2							
15	64QAM	36	0	10.46	10.50	10.46																			
15	64QAM	36	20	10.45	10.43	10.44																			
15	64QAM	36	39	10.42	10.51	10.43																			
15	64QAM	75	0	10.45	10.45	10.46				15	64QAM	36	39	19.24	19.33	19.81	21	3							
Channel										Channel															
Frequency (MHz)										Frequency (MHz)															
10	QPSK	1	0	10.38	10.43	10.37	11.5	0		10	QPSK	1	0	22.41	22.58	22.72	24	0							
10	QPSK	1	25	10.51	10.53	10.56																			
10	QPSK	1	49	10.49	10.51	10.49																			
10	QPSK	25	0	10.46	10.49	10.38																			
10	QPSK	25	12	10.51	10.51	10.49	11.5	0		10	QPSK	25	12	21.44	21.36	21.84	23	1							
10	QPSK	25	25	10.45	10.42	10.40																			
10	QPSK	50	0	10.40	10.48	10.42																			
10	16QAM	1	0	10.44	10.48	10.41																			
10	16QAM	1	25	10.51	10.50	10.50	11.5	0		10	16QAM	1	25	21.49	21.77	21.67	23	1							
10	16QAM	1	49	10.45	10.45	10.48																			
10	16QAM	25	0	10.41	10.39	10.45																			
10	16QAM	25	12	10.38	10.38	10.41																			
10	16QAM	25	25	10.45	10.51	10.50	11.5	0		10	16QAM	25	25	20.49	20.33	20.81	22	2							
10	16QAM	50	0	10.50	10.44	10.46																			
10	64QAM	1	0	10.48	10.39	10.51																			
10	64QAM	1	25	10.51	10.49	10.51																			
10	64QAM	1	49	10.37	10.39	10.47	11.5	0		10	64QAM	1	25	20.54	20.38	20.80	22								
10	64QAM	25	0	10.44	10.45	10.51																			
10	64QAM	25	12	10.41	10.45	10.49																			
10	64QAM	25	25	10.42	10.47	10.44																			
10	64QAM	50	0	10.49	10.46	10.46				10	64QAM	25	25	19.45	19.31	19.72	21	3							
Channel										Channel															
Frequency (MHz)										Frequency (MHz)															
5	QPSK	1	0	10.43	10.44	10.37	11.5	0		5	QPSK	1	0	22.38	22.49	22.77	24	0							
5	QPSK	1	12	10.56	10.50	10.54																			
5	QPSK	1	24	10.51	10.46	10.51																			
5	QPSK	12	0	10.44	10.47	10.44																			
5	QPSK	12	7	10.53	10.45	10.50	11.5	0		5	QPSK	12	7	21.47	21.40	21.81	23	1							
5	QPSK	12	13	10.47	10.41	10.46																			
5	QPSK	25	0	10.41	10.51	10.43																			
5	16QAM	1	0	10.48	10.50	10.45																			
5	16QAM	1	12	10.50	10.40	10.51	11.5	0		5	16QAM	1	0	21.59	21.85	21.82	23	1							
5	16QAM	1	24	10.46	10.51	10.54																			
5	16QAM	12	0	10.37	10.48	10.40																			
5	16QAM	12	7	10.44	10.43	10.39																			
5	16QAM	12	13	10.54	10.54	10.52	11.5	0		5	16QAM	12	7	20.45	20.43	20.79	22	2							
5	16QAM	25	0	10.43	10.51	10.50																			
5	64QAM	1	0	10.51	10.44	10.53																			
5	64QAM	1	12	10.52	10.53	10.44																			
5	64QAM	1	24	10.37	10.48	10.49	11.5	0		5	64QAM	1	12	20.70	20.26	20.62	22	2							
5	64QAM	12	0	10.44	10.49	10.51																			
5	64QAM	12	7	10.42	10.41	10.46																			
5	64QAM	12	13	10.44	10.45	10.43																			
5	64QAM	25	0	10.53	10.50	10.48				5	64QAM	12	7	19.55	19.39	19.85	21	3							
Channel										Channel															
Frequency (MHz)										Frequency (MHz)															
1.4	QPSK	1	0	10.45	10.47	10.38	11.5	0		1.4	QPSK	1	0	22.17	22.43	22.84	24	0							
1.4	QPSK	1	14	10.52	10.43	10.42																			
1.4	QPSK	8	0	10.45	10.45	10.38																			
1.4	QPSK	8	4	10.56	10.46	10.52																			
1.4	QPSK	8	7	10.48	10.38	10.47	11.5	0		1.4	QPSK	8	4	21.46	21.39	21.83	23	1							
1.4	QPSK	15	0	10.44	10.39	10.44																			
1.4	16QAM	1	0	10.50	10.50	10.44																			
1.4	16QAM	1	8	10.44	10.44	10.42																			
1.4	16QAM	1	14	10.47	10.55	10.52	11.5	0		1.4	16QAM	1	8	21.54	21.82	21.76	23	1							
1.4	16QAM	8	0	10.37	10.39	10.39																			
1.4	16QAM	8	4	10.46	10.46	10.41																			
1.4	16QAM	8	7	10.45	10.49	10.44																			
1.4	64QAM	15	0	10.44	10.43	10.41	11.5	0		1.4	16QAM	8	4	20.33	20.45	20.96	22	2							
1.4	64QAM	1	0	10.43	10.51	10.49																			
1.4	64QAM	1	8	10.43	10.45	10.43																			
1.4	64QAM	1	14	10.41	10.41	10.43																			
1.4	64QAM	8	0	10.49	10.44	10.53	11.5	0		1.4	64QAM	8	0	20.72	20.49	20.98	22	2							
1.4	64QAM	8	4	10.49	10.49	10.45																			
1.4	64QAM	8	7	10.45	10.43	10.47																			
1.4	64QAM	15	0	10.52	10.45	10.45																			
Channel										Channel															
Frequency (MHz)										Frequency (MHz)															
1.4	QPSK	1	0	10.43	10.45	10.38	11.5	0		1.4	QPSK	1	0	22.52	22.64	22.93	24	0							
1.4	QPSK	1	14	10.56	10.50	10.54																			
1.4	QPSK	1	28	10.51	10.46	10.51																			
1.4	QPSK	14	0	10.41	10.43	10.38																			
1.4	QPSK	3	1	10.47	10.50	10.47	11.5	0		1.4	QPSK	3	1	22.48	22.49	22.65	24	0							
1.4	QPSK	3	14	10.47	10.49	10.49																			
1.4	QPSK	6	0	10.51	10.43	10.44																			
1.4	16QAM	1	0	10.42	10.53	10.47																			
1.4	16QAM	1	8	10.46	10.46	10.44	11.5	0		1.4	16QAM	1	8	21.85	21.80	21.95	24	0							
1.4	16QAM	1	14	10.52	10.51	10.50																			
1.4	16QAM	3	1	10.38	10.43	10.43																			
1.4	16QAM	3	14	10.40	10.40	10.50																			
1.4	16QAM	6	0	10.45	10.48	10.45	11.5	0		1.4	16QAM	3	1	21.46	21.41	21.79	24	0							
1.4	16QAM	6	8	10.53	10.41	10.53																			
1.4	64QAM	1	0	10.46	10.49	10.43																			
1.4	64QAM	1	8	10.43	10.45	10.47																			
1.4	64QAM	3	0	10.50	10.44	10.43	11.5	0		1.4	64QAM	3	0	20.76	20.48	20.66	24	0							
1.4	64QAM	3	8	10.53	10.50	10.52																			
1.4	64QAM	3	14	10.43	10.49	10.41																			
1.4	64QAM	6	0	10.49	10.46	10.48																			
1.4	64QAM	6	8	10.45	10.46	10.46	11.5	0		1.4	64QAM	6	8	20.62	20.42	20.78	24	0							
1.4	64QAM	6	14	10.47	10.																				



Reduced Power for DSI 3

Band 4_Ant 13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Tune-up (int. dBm)	MPR (dB)		
Channel										
Frequency (MHz)				20050	20175	20300				
20	QPSK	1	0	11.80	11.83	11.80	13	0		
20	QPSK	1	48	11.84	11.88	11.86				
20	QPSK	1	96	11.90	11.90	11.87				
20	QPSK	50	0	11.86	11.88	11.90				
20	QPSK	50	24	11.91	11.94	11.92	13	0		
20	QPSK	50	36	11.88	11.88	11.89				
20	QPSK	100	0	11.83	11.90	11.89				
20	16QAM	1	0	11.83	11.86	11.83				
20	16QAM	1	48	11.87	11.92	11.88	13	0		
20	16QAM	1	96	11.84	11.87	11.86				
20	16QAM	50	0	11.83	11.90	11.85				
20	16QAM	50	24	11.88	11.91	11.89				
20	16QAM	50	36	11.89	11.87	11.88	13	0		
20	16QAM	100	0	11.86	11.90	11.88				
20	16QAM	1	0	11.89	11.88	11.89				
20	16QAM	1	48	11.83	11.88	11.83				
20	16QAM	1	96	11.88	11.90	11.91	13	0		
20	16QAM	50	0	11.88	11.90	11.90				
20	16QAM	50	24	11.88	11.91	11.89				
20	16QAM	50	36	11.89	11.87	11.88				
20	16QAM	100	0	11.84	11.90	11.83				
Channel				20050	20175	20300				
Frequency (MHz)				1717.5	1732.5	1747.5	Tune-up (int. dBm)	MPR (dB)		
15	QPSK	1	0	11.91	11.82	11.84	13	0		
15	QPSK	1	37	11.98	11.86	11.94				
15	QPSK	1	74	11.81	11.77	11.87				
15	QPSK	36	0	11.86	11.80	11.76				
15	QPSK	36	20	11.82	11.82	11.89	13	0		
15	QPSK	36	39	11.84	11.73	11.77				
15	QPSK	75	0	11.77	11.79	11.78				
15	16QAM	1	0	11.84	11.85	11.83				
15	16QAM	1	37	11.84	11.87	11.90	13	0		
15	16QAM	1	74	11.76	11.91	11.76				
15	16QAM	36	0	11.88	11.90	11.85				
15	16QAM	36	20	11.77	11.82	11.82				
15	16QAM	36	39	11.86	11.80	11.86	13	0		
15	16QAM	75	0	11.91	11.90	11.90				
15	16QAM	1	0	11.85	11.82	11.75				
15	16QAM	1	37	11.83	11.87	11.85				
15	16QAM	1	74	11.81	11.78	11.88	13	0		
15	16QAM	36	0	11.88	11.86	11.90				
15	16QAM	36	20	11.81	11.82	11.88				
15	16QAM	36	39	11.85	11.84	11.84				
15	16QAM	75	0	11.83	11.86	11.91				
Channel				20050	20175	20300				
Frequency (MHz)				1715	1732.5	1750	Tune-up (int. dBm)	MPR (dB)		
10	QPSK	1	0	11.91	11.82	11.84	13	0		
10	QPSK	1	25	11.91	11.90	11.95				
10	QPSK	1	49	11.86	11.88	11.91				
10	QPSK	25	0	11.77	11.83	11.86				
10	QPSK	25	12	11.89	11.81	11.86	13	0		
10	QPSK	25	25	11.79	11.85	11.76				
10	QPSK	50	0	11.80	11.77	11.80				
10	16QAM	1	0	11.78	11.77	11.82				
10	16QAM	1	25	11.91	11.89	11.86	13	0		
10	16QAM	1	49	11.83	11.75	11.76				
10	16QAM	25	0	11.81	11.80	11.82				
10	16QAM	25	12	11.77	11.82	11.80				
10	16QAM	25	25	11.90	11.84	11.90	13	0		
10	16QAM	50	0	11.80	11.83	11.82				
10	16QAM	1	0	11.80	11.80	11.84				
10	16QAM	1	25	11.77	11.77	11.80				
10	16QAM	1	49	11.76	11.80	11.75	13	0		
10	16QAM	25	0	11.84	11.90	11.86				
10	16QAM	25	12	11.90	11.88	11.88				
10	16QAM	25	25	11.85	11.82	11.81				
10	16QAM	50	0	11.89	11.86	11.85				
Channel				1965 <th>20175</th> <th>20375</th> <th colspan="2"></th>	20175	20375				
Frequency (MHz)				1712.5	1732.5	1752.5	Tune-up (int. dBm)	MPR (dB)		
5	QPSK	1	0	11.84	11.81	11.90	13	0		
5	QPSK	1	12	11.91	11.96	11.96				
5	QPSK	1	24	11.82	11.77	11.79				
5	QPSK	12	0	11.76	11.87	11.76				
5	QPSK	12	7	11.85	11.89	11.88	13	0		
5	QPSK	12	13	11.76	11.80	11.83				
5	QPSK	25	0	11.83	11.81	11.82				
5	16QAM	1	0	11.83	11.80	11.77				
5	16QAM	1	12	11.90	11.91	11.91	13	0		
5	16QAM	1	24	11.79	11.76	11.84				
5	16QAM	12	0	11.82	11.87	11.86				
5	16QAM	12	7	11.83	11.84	11.86				
5	16QAM	12	13	11.84	11.86	11.79	13	0		
5	16QAM	25	0	11.83	11.83	11.86				
5	16QAM	1	0	11.77	11.84	11.73				
5	16QAM	1	12	11.77	11.82	11.84				
5	16QAM	1	24	11.77	11.79	11.82	13	0		
5	16QAM	12	0	11.82	11.83	11.91				
5	16QAM	12	7	11.83	11.84	11.86				
5	16QAM	12	13	11.84	11.86	11.83				
5	16QAM	25	0	11.83	11.83	11.86				
Channel				1965 <th>20175</th> <th>20375</th> <th colspan="2"></th>	20175	20375				
Frequency (MHz)				1712.5	1732.5	1752.5	Tune-up (int. dBm)	MPR (dB)		
3	QPSK	1	0	11.86	11.81	11.91	13	0		
3	QPSK	1	8	11.95	11.97	11.95				
3	QPSK	1	14	11.81	11.88	11.86				
3	QPSK	8	0	11.83	11.84	11.78				
3	QPSK	8	4	11.82	11.82	11.84	13	0		
3	QPSK	8	7	11.74	11.80	11.85				
3	QPSK	15	0	11.84	11.83	11.77				
3	16QAM	1	0	11.85	11.76	11.77				
3	16QAM	1	8	11.87	11.90	11.85	13	0		
3	16QAM	1	14	11.76	11.83	11.76				
3	16QAM	8	0	11.85	11.84	11.90				
3	16QAM	8	4	11.73	11.80	11.75				
3	16QAM	8	7	11.83	11.91	11.83	13	0		
3	16QAM	15	0	11.81	11.85	11.91				
3	16QAM	1	0	11.73	11.82	11.80				
3	16QAM	1	8	11.76	11.82	11.77				
3	16QAM	1	14	11.85	11.76	11.75	13	0		
3	16QAM	8	0	11.89	11.80	11.91				
3	16QAM	8	4	11.88	11.81	11.90				
3	16QAM	8	7	11.80	11.80	11.84				
3	16QAM	15	0	11.81	11.85	11.90				
Channel				1965 <th>20175</th> <th>20375</th> <th colspan="2"></th>	20175	20375				
Frequency (MHz)				1710.7	1732.5	1754.3	Tune-up (int. dBm)	MPR (dB)		
1.4	QPSK	1	0	11.81	11.82	11.83	13	0		
1.4	QPSK	1	8	11.88	11.89	11.89				
1.4	QPSK	1	8	11.83	11.87	11.87				
1.4	QPSK	3	0	11.82	11.81	11.83				
1.4	QPSK	3	1	11.82	11.83	11.82	13	0		
1.4	QPSK	3	1	11.81	11.79	11.81				
1.4	QPSK	6	0	11.88	11.87	11.78				
1.4	16QAM	1	0	11.82	11.85	11.82				
1.4	16QAM	1	8	11.82	11.86	11.84	13	0		
1.4	16QAM	1	8	11.82	11.87	11.85				
1.4	16QAM	3	0	11.84	11.88	11.87				
1.4	16QAM	3	1	11.81	11.84	11.74				
1.4	16QAM	3	1	11.87	11.88	11.89	13	0		
1.4	16QAM	6	0	11.91	11.90	11.89				
1.4	16QAM	1	0	11.85	11.79	11.77				
1.4	16QAM	1	3	11.77	11.87	11.87				
1.4	16QAM	1	3	11.82	11.77	11.82	13	0		
1.4	16QAM	3	0	11.90	11.84	11.86				
1.4	16QAM	3	1	11.87	11.85	11.82				
1.4	16QAM	3	1	11.87	11.85	11.82				
1.4	16QAM	3	1	11.87	11.85	11.82				
Channel				1965 <th>20175<th>20375</th><th colspan="2"></th></th>	20175 <th>20375</th> <th colspan="2"></th>	20375				
Frequency (MHz)				1710.7 <th>1732.5<th>1754.3</th><th>Tune-up (int. dBm)</th><th>MPR (dB)</th><th colspan="2"></th></th>	1732.5 <th>1754.3</th> <th>Tune-up (int. dBm)</th> <th>MPR (dB)</th> <th colspan="2"></th>	1754.3	Tune-up (int. dBm)	MPR (dB)		
1.4	QPSK	1	0	11.81	11.82	11.83	13	0		
1.4	QPSK	1	8	11.88	11.89	11.89				
1.4	QPSK	1	8	11.83	11.87	11.87				
1.4	QPSK	3	0	11.82	11.81	11.83				
1.4	QPSK	3	1	11.82	11.83	11.82	13	0		
1.4	QPSK	3	1	11.81	11.79	11.81				
1.4	QPSK	6	0	11.88	11.87	11.78				
1.4	16QAM	1	0	11.82	11.85	11.82				
1.4	16QAM	1	8	11.82	11.86	11.84	13	0		
1.4	16QAM	1	8	11.82	11.87	11.85				
1.4	16QAM	3	0	11.84	11.88	11.87				
1.4	16QAM	3	1	11.81	11.84	11.74				
1.4	16QAM	3	1	11.87	11.88	11.89	13	0		
1.4	16QAM	6	0	11.91	11.90	11.89				
1.4	16QAM	1	0	11.85	11.79	11.77				
1.4	16QAM	1	3	11.77	11.87	11.87				
1.4	16QAM	1	3	11.82	11.77	11.82	13	0		
1.4	16QAM	3	0	11.90	11.84	11.86				
1.4	16QAM	3	1	11.87	11.85	11.82				
1.4	16QAM	3	1	11.87	11.85	11.82				
1.4	16QAM	3	1	11.87	11.85	11.82				
Channel				1965 <th>20175<th>20375</th><th colspan="2"></th></th>	20175 <th>20375</th> <th colspan="2"></th>	20375				
Frequency (MHz)				1710.7 <th>1732.5<th>1754.3</th><th>Tune-up (int. dBm)</th><th>MPR (dB)</th><th colspan="2"></th></th>	1732.5 <th>1754.3</th> <th>Tune-up (int. dBm)</th> <th>MPR (dB)</th> <th colspan="2"></th>	1754.3	Tune-up (int. dBm)	MPR (dB)		
1.4	QPSK	1	0	11.81	11.82	11.83	13	0		
1.4	QPSK	1	8	11.88	11.89	11.89				
1.4	QPSK	1	8	11.83	11.87	11.87				
1.4	QPSK	3	0	11.82	11.81	11.83				
1.4	QPSK	3	1	11.82	11.83	11.82				

Band 5_Ant 13												
SR (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)				
Channel 20450 20525 20550												
Frequency (MHz)												
10	QPSK	1	0	16.05	16.10	16.06	17.5	0				
10	QPSK	1	24	16.07	16.16	16.08						
10	QPSK	1	48	15.98	16.07	16.00						
10	QPSK	25	0	16.91	16.04	15.99						
10	QPSK	25	12	15.98	16.13	16.02	17.5	0				
10	QPSK	25	24	15.89	16.12	15.98						
10	QPSK	50	0	15.93	16.08	15.95						
10	16QAM	1	0	15.94	16.06	15.93						
10	16QAM	1	24	15.96	16.04	15.97	17.5	0				
10	16QAM	1	48	15.91	16.10	15.96						
10	16QAM	25	0	15.94	16.09	15.98						
10	16QAM	25	12	15.93	16.10	15.95		17.5	0			
10	16QAM	25	24	15.95	16.11	15.97						
10	16QAM	50	0	15.93	16.06	15.94						
10	64QAM	1	0	15.97	16.11	15.94	17.5	0				
10	64QAM	1	24	15.94	16.05	15.96						
10	64QAM	1	48	15.92	16.12	15.93						
10	64QAM	25	0	15.93	16.06	15.95						
10	64QAM	25	12	15.92	16.04	15.94	17.5	0				
10	64QAM	25	24	15.90	16.05	15.94						
10	64QAM	50	0	15.90	16.11	16.00						
Channel 20425 20525 20525												
Frequency (MHz)												
5	QPSK	1	0	16.00	16.00	16.00	17.5	0				
5	QPSK	1	12	16.06	16.07	16.12						
5	QPSK	1	24	16.05	16.06	15.95						
5	QPSK	12	0	15.93	16.01	15.93						
5	QPSK	12	7	16.01	16.12	16.04	17.5	0				
5	QPSK	12	13	16.00	16.03	16.00						
5	QPSK	25	0	15.96	16.06	16.05						
5	16QAM	1	0	16.05	16.01	15.98						
5	16QAM	1	12	15.99	16.04	16.03	17.5	0				
5	16QAM	1	24	16.04	16.01	16.07						
5	16QAM	12	0	16.07	16.04	16.03						
5	16QAM	12	7	16.02	16.01	16.01		17.5	0			
5	16QAM	12	13	15.99	15.98	15.95						
5	16QAM	25	0	15.95	15.93	16.06						
5	64QAM	1	0	16.00	16.10	16.05	17.5	0				
5	64QAM	1	12	15.90	16.04	16.03						
5	64QAM	1	24	16.05	16.08	16.11						
5	64QAM	12	0	15.95	15.99	16.06		17.5	0			
5	64QAM	12	7	15.99	16.03	15.96						
5	64QAM	12	13	16.03	15.96	15.95						
5	64QAM	25	0	16.01	16.06	16.08						
Channel 820.5 836.5 847.5												
Frequency (MHz)												
3	QPSK	1	0	16.02	15.97	15.99	17.5	0				
3	QPSK	1	8	16.03	16.11	16.12						
3	QPSK	1	14	15.96	15.97	15.99						
3	QPSK	8	0	15.99	15.99	16.01		17.5	0			
3	QPSK	8	4	16.07	16.11	16.06						
3	QPSK	8	7	16.05	16.03	15.99						
3	QPSK	15	0	16.04	16.07	15.98						
3	16QAM	1	0	15.96	15.96	16.05	17.5	0				
3	16QAM	1	8	15.92	15.97	16.00						
3	16QAM	1	14	16.00	16.03	16.03						
3	16QAM	8	0	15.95	16.04	15.99		17.5	0			
3	16QAM	8	7	15.99	16.00	15.99						
3	16QAM	15	0	16.02	16.03	16.02						
3	64QAM	1	0	16.03	15.99	16.02	17.5	0				
3	64QAM	1	8	16.04	15.94	16.03						
3	64QAM	1	14	16.03	16.00	16.00						
3	64QAM	8	0	15.97	15.97	16.01		17.5	0			
3	64QAM	8	4	16.00	16.03	15.96						
3	64QAM	8	7	15.98	15.99	15.95						
3	64QAM	15	0	16.06	16.03	16.05						
Channel 20470 20525 20543												
Frequency (MHz)												
1.4	QPSK	1	0	16.01	15.99	15.99	17.5	0				
1.4	QPSK	1	3	16.09	16.14	16.06						
1.4	QPSK	1	5	16.04	16.03	16.00						
1.4	QPSK	3	0	15.93	15.98	16.00		17.5	0			
1.4	QPSK	3	1	16.11	16.09	16.10						
1.4	QPSK	3	3	16.04	16.01	15.99						
1.4	QPSK	6	0	15.98	15.96	16.02	17.5	0				
1.4	16QAM	1	0	15.97	15.97	16.04						
1.4	16QAM	1	3	15.92	15.99	15.99						
1.4	16QAM	1	5	15.98	16.03	16.01		17.5	0			
1.4	16QAM	3	0	16.06	16.02	16.00						
1.4	16QAM	3	1	16.01	16.04	16.09						
1.4	16QAM	3	3	16.07	16.08	16.09		17.5	0			
1.4	16QAM	6	0	16.04	16.00	16.05						
1.4	64QAM	1	0	16.00	15.99	16.06						
1.4	64QAM	1	3	15.92	15.93	16.02		17.5	0			
1.4	64QAM	1	5	16.00	16.08	15.99						
1.4	64QAM	3	0	15.96	15.98	16.04						
1.4	64QAM	3	1	15.94	15.95	15.96		17.5	0			
1.4	64QAM	3	3	15.98	16.02	16.04						
1.4	64QAM	6	0	16.05	16.02	16.05						

Band 5_Ant 41													
SR (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)					
Channel 20450 20525 20567													
Frequency (MHz)													
10	QPSK	1	0	22.65	22.72	22.79	24.5	0					
10	QPSK	1	24	22.81	22.94	22.82							
10	QPSK	1	48	22.78	22.74	22.67							
10	QPSK	25	0	21.64	21.74	21.77							
10	QPSK	25	12	21.72	21.79	21.78	23.5	1					
10	QPSK	25	24	21.68	21.66	21.63							
10	QPSK	50	0	21.71	21.80	21.76							
10	16QAM	1	0	21.77	21.64	22.02							
10	16QAM	1	24	22.10	22.09	21.82	23.5	1					
10	16QAM	1	48	21.75	22.03	21.84							
10	16QAM	25	0	20.74	20.74	20.63							
10	16QAM	25	12	20.74	20.62	20.68		22.5	2				
10	16QAM	25	24	20.68	20.65	20.66							
10	16QAM	50	0	20.69	20.72	20.78							
10	64QAM	1	0	20.63	20.74	20.67	22.5	2					
10	64QAM	1	24	20.90	20.97	21.05							
10	64QAM	1	48	20.71	21.07	21.08							
10	64QAM	25	0	19.77	19.94	19.93		21.5	3				
10	64QAM	25	12	19.83	19.91	19.95							
10	64QAM	25	24	19.90	19.79	19.81							
10	64QAM	50	0	19.89	19.83	19.90							
Channel 826.5 836.5 846.5													
Frequency (MHz)													
5	QPSK	1	0	22.71	22.65	22.79	24.5	0					
5	QPSK	1	12	22.64	22.64	22.68							
5	QPSK	1	24	22.65	22.68	22.78							
5	QPSK	12	0	21.60	21.65	21.86		23.5	1				
5	QPSK	12	7	21.61	21.61	21.75							
5	QPSK	12	13	21.67	21.58	21.86							
5	QPSK	25	0	21.66	21.58	21.68		23.5	1				
5	16QAM	1	0	21.81	21.74	21.88							
5	16QAM	1	12	22.05	21.76	21.84							
5	16QAM	1	24	22.12	22.14	21.82	22.5	2					
5	16QAM	12	0	20.64	20.62	20.73	22.5	2					
5	16QAM	12	7	20.60	20.53	20.68							
5	16QAM	12	13	20.61	20.50	20.61							
5	16QAM	25	0	20.62	20.56	20.71							
5	16QAM	1	0	20.65	20.59	21.01							
5	16QAM	1	12	20.65	20.67	20.91							
5	16QAM	1	24	20.67	20.69	20.91	22.5	2					
5	16QAM	12	0	19.92	19.97	20.02							
5	16QAM	12	7	19.71	19.85	19.87							
5	16QAM	12	13	19.75	19.79	19.88	21.5	3					
5	16QAM	25	0	19.77	19.75	19.81							
5	16QAM	25	12	19.83	19.76	19.83							
Channel 826.5 836.5 846.5													
Frequency (MHz)													
3	QPSK	1	0	22.58	22.57	22.67	24.5	0					
3	QPSK	1	8	22.61	22.69	22.75							
3	QPSK	1	16	22.64	22.60	22.57							
3	QPSK	8	0	21.56	21.58	21.65		23.5	1				
3	QPSK	8	4	21.64	21.61	21.65							
3	QPSK	8	7	21.54	21.55	21.62							
3	QPSK	16	0	21.59	21.58	21.62		23.5	1				
3	16QAM	1	0	21.61	22.00	21.77							
3	16QAM	1	8	21.59	22.02	21.98							
3	16QAM	1	14	21.59	21.91	21.94	22.5	2					
3	16QAM	16	0	20.71	20.71	20.74							
3	16QAM	16	4	20.62	20.68	20.74							
3	16QAM	8	7	20.68	20.53	20.61	22.5	2					
3	16QAM	8	0	20.73	20.66	20.66							
3	16QAM	8	4	20.73	20.66	20.66							
3	16QAM	8	8	20.73	20.66	20.66							
3	16QAM	16	8	20.92	20.78	20.61							
3	16QAM	1	14	20.86	20.82	20.51							
3	16QAM	8	0	19.73	19.76	19.85	21.5	3					
3	16QAM	8	4	19.73	19.76	19.85							
3	16QAM	8	7	19.93	19.68	19.90							
3	16QAM	16	8	19.64	19.70	19.67	21.5	3					
Channel 20450 20525 20567													
Frequency (MHz)													
1.4	QPSK	1	0	22.51	22.64	22.59	24.5	0					
1.4	QPSK	1	3	22.53	22.64	22.78							
1.4	QPSK	1	5	22.81	22.63	22.72							
1.4	QPSK	3	0	22.59	22.76	22.79		23.5	1				
1.4	QPSK	3	3	22.73	22.60	22.71							
1.4	QPSK	3	5	22.73	22.67	22.76							
1.4	QPSK	6	0	21.71	21.70	21.75		23.5	1				
1.4	16QAM	1	0	21.84	21.81	21.72							
1.4	16QAM	1	3	22.17	22.12	22.21							
1.4	16QAM	1	5	21.72	21.64	22.23	23.5	1					
1.4	16QAM	3	0	21.68	21.66	21.77							
1.4	16QAM	3	3	21.73	21.74	21.73							
1.4	16QAM	3	5	21.77	21.67	21.83	22.5	2					
1.4	16QAM	6	0	20.75	20.73	20.86							
1.4	16QAM	6	3	20.80	20.64	20.80							
1.4	16QAM	3	0	20.79	20.80	20.83	22.5	2					
1.4	16QAM	3	3	20.58	20.84	20.90							
1.4	16QAM	3	5	20.68	20.85	20.90							
1.4	16QAM	3	0	20.57	20.81	20.79	21.5	3					
1.4	16QAM	3	3	20.78	20.78	20.78							
1.4	16QAM	3	5	19.63	19.70	19.95							



Reduced Power for DSI 3

Band 7_Ant 13										Band 7_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Pwr. Ch / Pwr. Ch	Power Middle Ch / Pwr. Ch / Pwr. Ch	Power High Ch / Pwr. Ch / Pwr. Ch	Tune-up limit (dBm)	MPR (dB)											
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
20	QPSK	1	0	7.94	7.95	7.91	9	0		20	QPSK	1	0	21.55	21.84	21.77	23.5	0	
20	QPSK	1	49	7.96	8.00	7.94													
20	QPSK	1	99	7.93	8.00	7.85													
20	QPSK	50	0	7.81	7.99	7.85													
20	QPSK	50	24	7.88	8.02	7.93	9	0		20	QPSK	50	24	20.98	21.25	21.19	22.5	1	
20	QPSK	50	50	7.86	7.96	7.87													
20	QPSK	100	0	7.82	7.93	7.89													
20	16QAM	1	0	7.88	7.93	7.92													
20	16QAM	1	49	7.93	7.94	8.02	9	0		20	16QAM	1	49	21.31	20.98	21.45	22.5		
20	16QAM	1	99	7.98	7.94	7.98													
20	16QAM	50	0	7.93	7.98	7.90													
20	16QAM	50	24	7.95	8.01	7.92													
20	16QAM	50	50	7.84	7.95	7.89	9	0		20	16QAM	50	50	19.87	19.86	20.34	21.5	2	
20	16QAM	100	0	7.91	7.97	7.90													
20	64QAM	1	0	7.88	7.93	7.85													
20	64QAM	1	49	7.98	7.90	8.01													
20	64QAM	1	99	7.92	7.92	7.99	9	0		20	64QAM	1	99	20.14	19.93	20.33	20.5	3	
20	64QAM	50	0	7.96	7.95	7.87													
20	64QAM	50	24	7.96	7.97	7.93													
20	64QAM	50	50	7.87	7.94	7.89													
20	64QAM	100	0	7.83	7.86	7.89	9	0		20	64QAM	100	0	18.83	18.86	19.25	20.5	3	
Channel				2502.5	2510.0	2517.5													
Frequency (MHz)				2507.5	2535	2562.5													
15	QPSK	1	0	7.83	7.88	7.93	9	0		15	QPSK	1	0	21.57	21.51	21.69	23.5	0	
15	QPSK	1	37	7.97	7.99	7.92													
15	QPSK	1	74	7.89	7.97	7.88													
15	QPSK	36	0	7.87	7.97	7.88													
15	QPSK	36	20	7.99	8.00	7.98	9	0		15	QPSK	36	20	20.65	20.68	20.82	22.5	1	
15	QPSK	36	39	7.88	7.93	7.85													
15	QPSK	75	0	7.80	7.83	7.88													
15	16QAM	1	0	7.88	7.80	7.89													
15	16QAM	1	37	7.81	7.93	7.87	9	0		15	16QAM	1	37	21.13	20.88	20.95	22.5	1	
15	16QAM	1	74	7.80	7.90	7.82													
15	16QAM	36	0	7.79	7.79	7.83													
15	16QAM	36	20	7.95	7.91	7.99													
15	16QAM	36	39	7.85	7.92	7.87	9	0		15	16QAM	36	39	19.65	19.70	19.86	21.5	2	
15	16QAM	75	0	7.77	7.84	7.81													
15	64QAM	1	0	7.88	7.81	7.78													
15	64QAM	1	37	7.76	7.78	7.82													
15	64QAM	1	74	7.79	7.78	7.82	9	0		15	64QAM	1	74	19.57	19.75	19.83	21.5	2	
15	64QAM	36	0	7.88	7.92	7.89													
15	64QAM	36	20	7.89	7.92	7.87													
15	64QAM	36	39	7.90	7.89	7.89													
15	64QAM	75	0	7.84	7.76	7.81	9	0		15	64QAM	36	39	18.54	18.64	18.70	20.5	3	
Channel				2502.5	2510.0	2517.5													
Frequency (MHz)				2505	2535	2565													
10	QPSK	1	0	7.85	7.91	7.89	9	0		10	QPSK	1	0	21.65	21.59	21.62	23.5	0	
10	QPSK	1	25	8.00	7.94	8.01													
10	QPSK	1	49	7.92	7.98	7.95													
10	QPSK	25	0	7.87	7.95	7.92													
10	QPSK	25	12	7.92	8.01	7.90	9	0		10	QPSK	25	12	20.64	20.64	20.80	22.5	1	
10	QPSK	25	25	7.89	7.88	7.92													
10	QPSK	50	0	7.89	7.90	7.90													
10	16QAM	1	0	7.81	7.86	7.87													
10	16QAM	1	25	7.90	7.90	7.90	9	0		10	16QAM	1	25	20.88	20.50	21.26	22.5	1	
10	16QAM	1	49	7.90	7.83	7.91													
10	16QAM	25	0	7.87	7.75	7.87													
10	16QAM	25	12	7.92	7.90	7.92													
10	16QAM	25	25	7.83	7.86	7.82	9	0		10	16QAM	25	12	19.67	19.67	19.78	21.5	2	
10	16QAM	50	0	7.74	7.75	7.81													
10	64QAM	1	0	7.91	7.85	7.84													
10	64QAM	1	25	7.78	7.80	7.82													
10	64QAM	1	49	7.77	7.79	7.80	9	0		10	64QAM	1	49	19.87	19.68	20.08	21.5	2	
10	64QAM	25	0	7.94	7.91	7.93													
10	64QAM	25	12	7.89	7.91	7.94													
10	64QAM	25	25	7.84	7.87	7.86													
10	64QAM	50	0	7.76	7.85	7.76	9	0		10	64QAM	50	0	18.59	18.66	18.78	20.5	3	
Channel				2077.5	2110.0	2142.5													
Frequency (MHz)				2092.5	2035	2092.5													
5	QPSK	1	0	7.86	7.83	7.93	9	0		5	QPSK	1	0	21.50	21.73	21.76	23.5	0	
5	QPSK	1	12	7.97	8.00	8.02													
5	QPSK	1	24	7.92	7.90	7.95													
5	QPSK	12	0	7.96	7.94	7.90													
5	QPSK	12	7	7.93	8.00	8.00	9	0		5	QPSK	12	7	20.55	20.53	20.85	22.5	1	
5	QPSK	12	13	7.85	7.95	7.85													
5	QPSK	25	0	7.80	7.81	7.82													
5	16QAM	1	0	7.92	7.86	7.81													
5	16QAM	1	12	7.88	7.85	7.92	9	0		5	16QAM	1	12	20.97	20.63	20.92	22.5	1	
5	16QAM	1	24	7.82	7.81	7.92													
5	16QAM	12	0	7.85	7.79	7.87													
5	16QAM	12	7	7.95	7.96	7.99													
5	16QAM	12	13	7.87	7.83	7.93	9	0		5	16QAM	12	13	19.51	19.50	19.74	21.5	2	
5	16QAM	25	0	7.83	7.80	7.74													
5	64QAM	1	0	7.80	7.91	7.79													
5	64QAM	1	12	7.93	7.89	7.85													
5	64QAM	1	24	7.91	7.89	7.79	9	0		5	64QAM	1	24	19.81	19.79	20.13	20.5	3	
5	64QAM	12	0	7.87	7.93	7.85													
5	64QAM	12	7	7.88	7.89	7.87													
5	64QAM	12	13	7.93	7.87	7.86													
5	64QAM	25	0	7.80	7.76	7.83	9	0		5	64QAM	25	0	18.62	18.59	18.88	20.5	3	
Channel				2077.5	2110.0	2142.5													
Frequency (MHz)				2092.5	2035	2092.5													



Band 66_Ant 31												
RF Num	Mode	RF Size	RF Offset	Power Low Ch/Freq	Power Middle Ch/Freq	Power High Ch/Freq	Turn-on time (sec)	APR6 (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.28	22.54	22.56	22.56					
20	QPSK	1	48	22.53	22.66	22.66	22.66	23.7	0			
20	QPSK	50	0	22.28	22.58	22.58	22.58					
20	QPSK	50	0	21.41	21.68	21.65	21.65					
20	QPSK	50	24	21.58	21.68	21.65	21.65	22.7	1			
20	QPSK	50	50	21.50	21.64	21.62	21.62					
20	QPSK	50	24	21.42	21.55	21.53	21.53					
20	16QAM	1	0	21.59	21.45	21.62	21.62					
20	16QAM	1	48	21.58	21.78	21.57	21.57					
20	16QAM	50	0	21.59	21.68	21.65	21.65	22.5	0			
20	16QAM	50	0	20.35	20.68	20.72	20.72					
20	16QAM	50	24	20.46	20.55	20.54	20.54	21.7	2			
20	16QAM	50	50	20.45	20.57	20.55	20.55					
20	16QAM	50	24	20.42	20.56	20.53	20.53					
20	16QAM	1	0	20.52	20.51	20.47	20.47					
20	16QAM	1	48	20.78	20.60	20.60	20.60	20.6	2			
20	16QAM	1	99	20.29	20.52	20.67	20.67					
20	16QAM	50	50	19.81	19.92	19.91	19.91	20.7	0			
20	16QAM	50	24	19.80	19.78	19.87	19.87	20.7	3			
20	16QAM	50	50	19.61	19.71	19.71	19.71					
20	16QAM	100	0	19.73	19.73	19.81	19.81					
Channel												
Frequency (MHz)												
16	QPSK	1	0	22.02	22.28	22.33	22.33					
16	QPSK	1	33	22.02	22.02	22.31	22.31	23.7	0			
16	QPSK	50	0	22.02	22.28	22.33	22.33					
16	QPSK	36	0	21.47	21.68	21.64	21.64					
16	QPSK	35	20	21.47	21.61	21.61	21.61	22.7	1			
16	QPSK	35	24	21.45	21.53	21.48	21.48					
16	QPSK	35	75	21.52	21.58	21.53	21.53					
16	16QAM	1	0	21.73	21.44	21.68	21.68					
16	16QAM	1	33	21.63	21.64	21.81	21.81	22.7	1			
16	16QAM	1	99	20.58	20.58	20.67	20.67					
16	16QAM	36	0	20.43	20.68	20.60	20.60					
16	16QAM	35	20	20.53	20.59	20.58	20.58	21.7	2			
16	16QAM	35	24	20.57	20.47	20.54	20.55					
16	16QAM	35	75	20.49	20.58	20.55	20.55					
16	16QAM	1	0	20.35	20.69	20.79	20.79					
16	16QAM	1	33	20.53	20.69	20.67	20.67	21.7	2			
16	16QAM	1	99	19.86	19.86	19.95	19.95					
16	16QAM	35	35	19.92	19.83	19.78	19.78					
16	16QAM	35	20	19.59	19.73	19.73	19.73	20.7	3			
16	16QAM	35	35	19.71	19.76	19.71	19.71					
16	16QAM	7	0	19.67	19.77	19.83	19.83					
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.00	22.25	22.55	22.60					
10	QPSK	1	25	22.49	22.66	22.68	22.68	23.7	0			
10	QPSK	50	0	22.00	22.25	22.55	22.60					
10	QPSK	25	0	21.43	21.67	21.67	21.64					
10	QPSK	25	12	21.51	21.62	21.58	21.58	22.7	1			
10	QPSK	25	24	21.50	21.61	21.57	21.57					
10	QPSK	50	0	21.56	21.63	21.61	21.61					
10	16QAM	1	0	21.34	21.78	21.46	21.46					
10	16QAM	1	25	21.32	21.54	21.79	21.82	21.6	1			
10	16QAM	1	99	20.48	20.48	20.55	20.55					
10	16QAM	25	0	20.45	20.74	20.55	20.55					
10	16QAM	25	12	20.46	20.65	20.45	20.45	21.7	2			
10	16QAM	25	24	20.51	20.65	20.55	20.55					
10	16QAM	25	99	20.53	20.58	20.67	20.67					
10	16QAM	1	0	20.84	20.27	20.87	20.82					
10	16QAM	1	25	20.51	20.85	20.79	20.79	21.7	2			
10	16QAM	1	99	19.87	19.87	19.95	19.95					
10	16QAM	25	0	19.64	19.81	19.77	19.77					
10	16QAM	25	12	19.62	19.74	19.79	19.79					
10	16QAM	25	24	19.66	19.75	19.71	19.71					
10	16QAM	25	99	19.77	19.88	19.93	19.93					
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.54	22.64	22.67	22.67					
3	QPSK	1	25	22.68	22.83	22.83	22.83	23.7	0			
3	QPSK	1	24	22.59	22.64	22.64	22.66					
3	QPSK	12	0	21.47	21.67	21.59	21.59					
3	QPSK	12	7	21.49	21.61	21.51	21.51	22.7	1			
3	QPSK	12	24	21.48	21.56	21.56	21.58					
3	QPSK	25	0	21.50	21.54	21.43	21.43					
3	16QAM	1	0	21.29	21.45	21.56	21.56					
3	16QAM	1	12	21.55	21.90	21.52	21.52	21.7	2			
3	16QAM	1	24	21.41	21.51	21.61	21.62					
3	16QAM	12	0	20.49	20.66	20.54	20.54					
3	16QAM	12	7	20.46	20.53	20.51	20.51	21.7	2			
3	16QAM	12	15	20.50	20.51	20.35	20.35					
3	16QAM	12	24	20.53	20.60	20.49	20.49					
3	16QAM	1	0	20.77	20.90	20.85	20.85					
3	16QAM	1	12	20.47	20.50	20.45	20.45	21.7	2			
3	16QAM	1	24	20.48	20.50	20.45	20.45					
3	16QAM	12	0	19.73	19.81	19.73	19.73	20.7	3			
3	16QAM	12	7	19.62	19.74	19.73	19.73					
3	16QAM	12	15	19.64	19.68	19.57	19.57					
3	16QAM	12	24	19.67	19.77	19.74	19.74					
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.54	22.63	22.63	22.64					
3	QPSK	1	24	22.67	22.64	22.64	22.68	23.7	0			
3	QPSK	8	0	21.52	21.61	21.63	21.63					
3	QPSK	8	4	21.45	21.62	21.54	21.54	21.6	1			
3	QPSK	15	0	21.54	21.61	21.61	21.61					
3	16QAM	1	0	21.43	21.56	21.47	21.47					
3	16QAM	1	8	21.45	21.66	21.53	21.53	21.6	1			
3	16QAM	1	8	21.74	21.83	21.82	21.82					
3	16QAM	1	15	21.47	21.55	21.47	21.47					
3	16QAM	8	0	20.50	20.63	20.55	20.55					
3	16QAM	8	4	20.53	20.57	20.49	20.49	21.7	2			
3	16QAM	8	7	20.56	20.62	20.61	20.61					
3	16QAM	15	0	20.39	20.56	20.52	20.52					
3	16QAM	15	20	20.39	20.56	20.56	20.56	20.38				
3	16QAM	1	0	20.39	20.25	20.62	20.62					
3	16QAM	1	8	20.42	20.86	20.45	20.45	21.7	2			
3	16QAM	1	15	20.42	20.52	20.52	20.52					
3	16QAM	8	0	19.70	19.79	19.71	19.71					
3	16QAM	8	4	19.73	19.70	19.74	19.74	20.7	3			
3	16QAM	8	7	19.69	19.69	19.81	19.81					
3	16QAM	15	0	19.67	19.77	19.77	19.77					
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.63	22.46	22.63	22.63					
1.4	QPSK	1	22	22.53	22.43	22.53	22.53	23.7	0			
1.4	QPSK	1	5	22.59	22.61	22.40	22.40					
1.4	QPSK	3	0	22.58	22.56	22.66	22.66	23.7	0			
1.4	QPSK	3	1	22.45	22.63	22.57	22.57					
1.4	QPSK	6	0	21.47	21.67	21.56	21.56	23.7	0			
1.4	16QAM	1	0	21.63	21.74	21.84	21.84					
1.4	16QAM	1	3	21.67	21.83	21.84	21.84	23.7	0			
1.4	16QAM	1	2	21.47	21.75	21.81	21.81					
1.4	16QAM	3	0	21.51	21.71	21.69	21.69					
1.4	16QAM	3	1	21.62	21.73	21.54	21.54	23.7	0			
1.4	16QAM	6	0	21.58	21.69	21.80	21.80					
1.4	16QAM	6	0	20.47	20.74	20.53	20.53	23.7	0			
1.4	16QAM	1	0	20.49	20.91	20.80	20.80					
1.4	16QAM	3	0	20.56	20.64	20.83	20.83					
1.4	16QAM	3	1	20.42	20.72	20.72	20.72	23.7	0			
1.4	16QAM	3	0	20.57	20.68	20.75	20.75					
1.4	16QAM	3	1	20.61	20.86	20.29	20.29					
1.4	16QAM	6	0	20.43	20.66	20.62	20.62	23.7	0			
1.4	16QAM	1	0	20.29	20.58	20.67	20.67					

Reduced Power for DSI 3

Band 38_Ant 13										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				37650	38000	38150				
Frequency (MHz)										
20	QPSK	1	0	10.19	10.24	10.28	11.4	0		
20	QPSK	1	49	10.26	10.31	10.29				
20	QPSK	1	99	10.25	10.30	10.26				
20	QPSK	50	0	10.18	10.22	10.24				
20	QPSK	50	24	10.19	10.20	10.28	11.4	0		
20	QPSK	50	50	10.10	10.27	10.26				
20	QPSK	100	0	10.14	10.27	10.22				
20	16QAM	1	0	10.10	10.21	10.23				
20	16QAM	1	49	10.10	10.25	10.21	11.4	0		
20	16QAM	1	99	10.18	10.28	10.26				
20	16QAM	50	0	10.13	10.23	10.27				
20	16QAM	50	24	10.15	10.27	10.22				
20	16QAM	50	50	10.11	10.26	10.20	11.4	0		
20	16QAM	100	0	10.13	10.26	10.20				
20	64QAM	1	0	10.15	10.20	10.25				
20	64QAM	1	49	10.17	10.20	10.19				
20	64QAM	1	99	10.17	10.28	10.20	11.4	0		
20	64QAM	50	0	10.16	10.27	10.26				
20	64QAM	50	24	10.10	10.21	10.26				
20	64QAM	50	50	10.12	10.20	10.26				
20	64QAM	100	0	10.14	10.21	10.21				
Channel				2577.5	2595	2612.5	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
15	QPSK	1	0	10.13	10.16	10.11	11.4	0		
15	QPSK	1	37	10.23	10.28	10.30				
15	QPSK	1	74	10.23	10.21	10.17				
15	QPSK	36	0	10.19	10.16	10.13				
15	QPSK	36	20	10.20	10.24	10.22	11.4	0		
15	QPSK	36	39	10.21	10.19	10.18				
15	QPSK	75	0	10.23	10.19	10.21				
15	16QAM	1	0	10.09	10.20	10.14				
15	16QAM	1	37	10.20	10.24	10.15	11.4	0		
15	16QAM	1	74	10.16	10.21	10.27				
15	16QAM	36	0	10.16	10.11	10.17				
15	16QAM	36	20	10.26	10.16	10.17				
15	16QAM	36	39	10.22	10.19	10.24	11.4	0		
15	16QAM	75	0	10.16	10.15	10.23				
15	64QAM	1	0	10.12	10.19	10.13				
15	64QAM	1	37	10.16	10.16	10.16				
15	64QAM	1	74	10.22	10.17	10.21	11.4	0		
15	64QAM	36	0	10.25	10.21	10.18				
15	64QAM	36	20	10.19	10.16	10.15				
15	64QAM	36	39	10.12	10.18	10.13				
15	64QAM	75	0	10.14	10.14	10.15				
Channel				37600	38000	38200	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
10	QPSK	1	0	10.11	10.19	10.21	11.4	0		
10	QPSK	1	25	10.21	10.24	10.28				
10	QPSK	1	49	10.20	10.28	10.25				
10	QPSK	25	0	10.21	10.16	10.17				
10	QPSK	25	12	10.18	10.16	10.16	11.4	0		
10	QPSK	25	25	10.19	10.14	10.15				
10	QPSK	50	0	10.24	10.22	10.21				
10	16QAM	1	0	10.11	10.18	10.12				
10	16QAM	1	25	10.16	10.19	10.24	11.4	0		
10	16QAM	1	49	10.18	10.15	10.19				
10	16QAM	25	0	10.13	10.17	10.13				
10	16QAM	25	12	10.25	10.17	10.25				
10	16QAM	25	25	10.17	10.25	10.15	11.4	0		
10	16QAM	50	0	10.12	10.15	10.21				
10	64QAM	1	0	10.12	10.15	10.16				
10	64QAM	1	25	10.17	10.13	10.07				
10	64QAM	1	49	10.13	10.25	10.13	11.4	0		
10	64QAM	25	0	10.23	10.21	10.23				
10	64QAM	25	12	10.19	10.13	10.18				
10	64QAM	25	25	10.16	10.19	10.19				
10	64QAM	50	0	10.16	10.17	10.13				
Channel				2577.5	2600	2622.5	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
5	QPSK	1	0	10.12	10.14	10.12	11.4	0		
5	QPSK	1	12	10.30	10.30	10.27				
5	QPSK	1	24	10.21	10.24	10.17				
5	QPSK	12	0	10.17	10.11	10.18				
5	QPSK	12	7	10.27	10.26	10.17	11.4	0		
5	QPSK	12	13	10.19	10.23	10.23				
5	QPSK	25	0	10.19	10.16	10.26				
5	16QAM	1	0	10.09	10.15	10.17				
5	16QAM	1	12	10.16	10.12	10.14	11.4	0		
5	16QAM	1	24	10.23	10.24	10.24				
5	16QAM	12	0	10.11	10.14	10.15				
5	16QAM	12	7	10.18	10.18	10.14				
5	16QAM	12	13	10.16	10.16	10.15	11.4	0		
5	16QAM	25	0	10.13	10.16	10.16				
5	64QAM	1	0	10.09	10.18	10.19				
5	64QAM	1	12	10.13	10.25	10.18				
5	64QAM	1	24	10.24	10.23	10.23	11.4	0		
5	64QAM	12	0	10.22	10.21	10.21				
5	64QAM	12	7	10.14	10.11	10.11				
5	64QAM	12	13	10.16	10.14	10.11				
5	64QAM	25	0	10.17	10.13	10.20				

Band 38_Ant 31												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				37650	38000	38150						
20	QPSK	1	0	22.43	22.49	22.53	23.8	0				
20	QPSK	1	49	22.68	22.79	22.77						
20	QPSK	1	99	22.67	22.60	22.73						
20	QPSK	50	0	21.55	21.68	21.64						
20	QPSK	50	24	21.68	21.78	21.77	22.8	1				
20	QPSK	50	50	21.67	21.68	21.72						
20	QPSK	100	0	21.64	21.66	21.63						
20	16QAM	1	0	21.67	21.54	21.51						
20	16QAM	1	49	21.66	21.77	21.73	22.8	1				
20	16QAM	1	99	21.66	21.59	21.69						
20	16QAM	50	0	20.54	20.63	20.65						
20	16QAM	50	24	20.63	20.69	20.72						
20	16QAM	50	50	20.69	20.66	20.65	21.8	2				
20	16QAM	100	0	20.60	20.65	20.68						
20	64QAM	1	0	20.09	20.18	20.25						
20	64QAM	1	49	20.35	20.43	20.39						
20	64QAM	1	99	20.33	20.31	20.36	21.8	2				
20	64QAM	50	0	19.50	19.62	19.60						
20	64QAM	50	24	19.59	19.67	19.67						
20	64QAM	50	50	19.58	19.63	19.68						
20	64QAM	100	0	19.56	19.63	19.66						
Channel				37650	38000	38150	Time-up limit (dBm)	MPR (dB)				
Frequency (MHz)												
15	QPSK	1	0	22.20	22.39	22.46	23.8	0				
15	QPSK	1	37	22.41	22.61	22.52						
15	QPSK	1	74	22.37	22.52	22.57						
15	QPSK	36	0	21.31	21.40	21.40						
15	QPSK	36	20	21.35	21.46	21.45	22.8	1				
15	QPSK	36	39	21.35	21.45	21.47						
15	QPSK	75	0	21.38	21.46	21.43						
15	16QAM	1	0	21.24	21.39	21.38						
15	16QAM	1	37	21.35	21.45	21.54	22.8	1				
15	16QAM	1	74	21.43	21.52	21.55						
15	16QAM	36	0	20.24	20.33	20.36						
15	16QAM	36	20	20.30	20.41	20.45						
15	16QAM	36	39	20.33	20.44	20.40	21.8	2				
15	16QAM	75	0	20.36	20.46	20.45						
15	64QAM	1	0	20.03	20.03	20.12						
15	64QAM	1	37	20.10	20.22	20.25						
15	64QAM	1	74	20.09	20.18	20.28	21.8	2				
15	64QAM	36	0	19.29	19.38	19.45						
15	64QAM	36	20	19.33	19.42	19.41						
15	64QAM	36	39	19.31	19.44	19.45						
15	64QAM	75	0	19.31	19.38	19.46						
Channel				37650	38000	38150	Time-up limit (dBm)	MPR (dB)				
Frequency (MHz)												
10	QPSK	1	0	22.23	22.52	22.64	23.8	0				
10	QPSK	1	49	22.43	22.64	22.56						
10	QPSK	1	99	22.43	22.36	22.59						
10	QPSK	25	0	21.33	21.49	21.53						
10	QPSK	25	1	21.38	21.47	21.51	22.8	1				
10	QPSK	25	25	21.38	21.45	21.57						
10	QPSK	50	0	21.42	21.51	21.52						
10	16QAM	1	0	21.26	21.48	21.50						
10	16QAM	1	24	21.43	21.48	21.52	22.8	1				
10	16QAM	1	49	21.37	21.52	21.61						
10	16QAM	25	0	20.31	20.47	20.52						
10	16QAM	25	1	20.34	20.47	20.55						
10	16QAM	25	25	20.36	20.45	20.55	21.8	2				
10	16QAM	50	0	20.39	20.44	20.56						
10	16QAM	50	1	20.40	20.46	20.54						
10	16QAM	100	0	20.14	20.26	20.31						
10	64QAM	1	0	20.11	20.18	20.26	21.8	2				
10	64QAM	1	24	20.13	20.25	20.34						
10	64QAM	25	0	19.34	19.51	19.54						
10	64QAM	25	1	19.38	19.49	19.53						
10	64QAM	25	25	19.39	19.45	19.55	20.8	3				
10	64QAM	50	0	19.33	19.44	19.46						
Channel				37672.5	3795	3817.5				Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)												
5	QPSK	1	0	22.32	22.56	22.55	23.8	0				
5	QPSK	1	12	22.44	22.57	22.55						
5	QPSK	1	24	22.38	22.41	22.51						
5	QPSK	12	0	21.31	21.51	21.53						
5	QPSK	12	7	21.36	21.46	21.61	22.8	1				
5	QPSK	12	14	21.36	21.46	21.61						
5	QPSK	25	0	21.34	21.42	21.56						
5	16QAM	1	0	21.33	21.51	21.56						
5	16QAM	1	12	21.45	21.50	21.56	22.8	1				
5	16QAM	1	24	21.45	21.45	21.51						
5	16QAM	12	0	20.26	20.34	20.45						
5	16QAM	12	7	20.29	20.38	20.45						
5	16QAM	12	14	20.24	20.42	20.45	21.8	2				
5	16QAM	25	0	20.31	20.48	20.54						
5	64QAM	1	0	20.04	20.22	20.29						
5	64QAM	1	12	20.10	20.23	20.27						
5	64QAM	12	0	20.14	20.24	20.25	21.8	2				
5	64QAM	12	6	19.29	19.47	19.51						
5	64QAM	12	13	19.26	19.38	19.46						
5	64QAM	25	0	19.31	19.43	19.45						
5	64QAM	25	0	19.27	19.44	19.59	20.8	3				



Band 41_Ant 31												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low High Ch / Freq	Power High Mid Ch / Freq	Power High Hw Ch / Freq	Power High Lw Ch / Freq	Turn-on Time (ms)	MPR (dB)		
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.20	22.22	22.25	22.55	22.63				
20	QPSK	1	49	22.27	22.44	22.63	22.71	22.70	23.8	0		
20	QPSK	1	99	22.26	22.43	22.57	22.87	22.64				
20	QPSK	5	0	21.51	21.50	21.51	21.51	21.66				
20	QPSK	50	24	21.45	21.45	21.75	21.87	21.71	22.8	1		
20	QPSK	50	100	21.43	21.38	21.70	21.84	21.68				
20	QPSK	50	200	21.42	21.35	21.68	21.82	21.69				
20	IQAM	1	0	21.20	21.28	21.48	21.58	21.68				
20	IQAM	1	49	21.40	21.47	21.62	21.76	21.73	22.8			
20	IQAM	1	99	21.30	21.37	21.57	21.88	21.68				
20	IQAM	50	25	20.25	20.31	20.51	20.72	20.72				
20	IQAM	50	24	20.35	20.37	20.62	20.87	20.64				
20	IQAM	50	100	20.41	20.37	20.68	20.74	20.67	21.8	2		
20	IQAM	50	200	20.39	20.35	20.64	20.72	20.72				
20	IQAM	1	0	19.92	19.90	20.16	20.24	20.35				
20	IQAM	1	49	20.13	20.13	20.37	20.42	20.44	21.8	2		
20	IQAM	1	99	19.84	19.87	20.23	20.37	20.38				
20	IQAM	50	50	19.16	19.31	19.54	19.62	19.64				
20	IQAM	50	24	19.31	19.36	19.58	19.65	19.65	20.8	3		
20	IQAM	50	100	19.34	19.36	19.60	19.72	19.69				
20	IQAM	100	0	19.20	19.37	19.55	19.68					
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.03	22.03	22.03	22.54	22.52				
15	QPSK	1	37	22.12	22.08	22.43	22.53	22.53	23.8	0		
15	QPSK	1	74	22.02	22.16	22.39	22.52	22.46				
15	QPSK	36	20	21.07	21.07	21.31	21.41	21.45				
15	QPSK	36	20	21.02	21.03	21.39	21.48	21.47	22.8	1		
15	QPSK	36	39	21.09	21.03	21.37	21.56	21.45				
15	QPSK	75	0	21.11	21.05	21.39	21.48	21.42				
15	QPSK	75	100	21.06	21.01	21.37	21.46	21.42				
15	IQAM	1	37	21.14	21.16	21.46	21.49	21.47	22.8	1		
15	IQAM	1	74	21.11	21.14	21.35	21.51	21.46				
15	IQAM	36	20	20.06	20.06	20.38	20.40	20.40	21.8	2		
15	IQAM	36	39	20.07	20.00	20.36	20.45	20.40				
15	IQAM	75	0	20.01	20.06	20.39	20.50	20.44				
15	IQAM	75	100	19.87	19.87	20.16	20.24	20.24				
15	IQAM	1	37	19.85	19.86	20.18	20.24	20.27	21.8	2		
15	IQAM	1	74	19.83	19.82	20.15	20.36	20.21				
15	IQAM	36	20	18.96	18.96	19.28	19.34	19.34				
15	IQAM	36	39	18.99	19.04	19.32	19.51	19.36	20.8	3		
15	IQAM	75	0	19.02	19.02	19.31	19.47	19.41				
15	IQAM	75	100	18.93	18.92	19.37	19.45	19.44				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.01	22.47	22.63	22.96	22.95				
10	QPSK	1	12	22.11	22.10	22.49	22.56	22.52	23.8	0		
10	QPSK	1	24	22.17	22.16	22.49	22.56	22.52				
10	QPSK	12	0	21.01	21.01	21.41	21.48	21.55				
10	QPSK	12	7	21.03	21.08	21.41	21.56	21.49	22.8	1		
10	QPSK	12	13	21.05	21.08	21.50	21.50	21.51				
10	QPSK	12	25	21.09	21.04	21.52	21.54	21.49				
10	IQAM	1	0	21.11	21.11	21.40	21.57	21.51				
10	IQAM	1	12	21.09	21.13	21.41	21.49	21.47	22.8	1		
10	IQAM	1	24	21.15	21.13	21.46	21.54	21.55				
10	IQAM	12	0	20.03	20.03	20.37	20.50	20.48				
10	IQAM	12	7	20.00	19.96	20.37	20.54	20.46	21.8	2		
10	IQAM	12	13	19.99	19.97	20.30	20.46	20.41				
10	IQAM	12	25	20.02	20.01	20.38	20.53	20.50				
10	IQAM	1	0	19.82	19.84	20.19	20.26	20.21	21.8	2		
10	IQAM	1	12	19.86	19.81	20.15	20.26	20.21				
10	IQAM	1	24	19.87	19.88	20.18	20.24	20.26	21.8	2		
10	IQAM	12	0	19.04	19.01	19.34	19.51	19.50				
10	IQAM	12	7	19.00	19.00	19.33	19.50	19.49	20.8	3		
10	IQAM	12	13	19.06	19.08	19.35	19.49	19.43				
10	IQAM	12	25	19.04	19.01	19.40	19.57	19.50				



Reduced Power for DSI 4

Band 2_Ant 13										Band 4_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
20	QPSK	1	0	22.36	22.31	22.41	23.5	0		20	QPSK	1	0	22.14	22.07	22.09	23.5	0	
20	QPSK	1	49	22.44	22.55	22.52				20	QPSK	1	45	22.20	22.22	22.14			
20	QPSK	1	99	22.19	22.43	22.41	22.5	1		20	QPSK	50	0	21.44	21.52	21.51	22.5	1	
20	QPSK	50	24	21.48	21.57	21.52				20	QPSK	50	24	21.21	21.26	21.23			
20	QPSK	50	50	21.33	21.49	21.46				20	QPSK	50	50	21.17	21.09	21.16			
20	16QAM	1	0	21.42	21.43	21.82				20	16QAM	1	0	21.57	21.09	21.14			
20	16QAM	1	49	21.86	21.42	22.03	21.5	2		20	16QAM	1	49	21.06	21.26	21.17	22.5	1	
20	16QAM	1	99	21.62	21.39	21.86				20	16QAM	1	99	21.11	21.16	20.84			
20	16QAM	50	24	20.47	20.34	20.70				20	16QAM	50	24	20.10	20.08	20.10			
20	16QAM	50	50	20.39	20.36	20.69				20	16QAM	50	50	20.13	20.05	20.16			
20	16QAM	100	0	20.32	20.33	20.68	21.5	2		20	16QAM	100	0	20.11	20.04	20.11	21.5	2	
20	64QAM	1	0	20.58	20.50	20.43				20	64QAM	1	49	20.18	20.09	20.22			
20	64QAM	1	49	20.30	20.15	20.30				20	64QAM	1	49	20.33	20.23	20.26			
20	64QAM	1	99	20.31	20.51	20.73				20	64QAM	1	99	20.12	19.87	20.15			
20	64QAM	50	24	19.32	19.33	19.73	20.5	3		20	64QAM	50	24	19.37	19.25	19.45	20.5	3	
20	64QAM	50	50	19.35	19.30	19.67				20	64QAM	50	50	19.40	19.25	19.36			
20	64QAM	100	0	19.31	19.32	19.69				20	64QAM	100	0	19.33	19.22	19.26			
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
15	QPSK	1	0	22.18	22.27	22.28	23.5	0		15	QPSK	1	0	22.08	22.15	22.08	23.5	0	
15	QPSK	1	37	22.47	22.32	22.51				15	QPSK	1	37	22.12	22.15	22.18			
15	QPSK	1	74	22.47	22.22	22.49	22.5	1		15	QPSK	36	0	21.18	22.02	21.18	22.5	1	
15	QPSK	36	0	21.45	21.38	21.64				15	QPSK	36	0	21.22	21.05	21.17			
15	QPSK	36	36	21.43	21.39	21.69				15	QPSK	36	20	21.20	21.11	21.17			
15	QPSK	36	39	21.38	21.31	21.68				15	QPSK	36	39	21.07	21.08	21.17			
15	16QAM	1	0	21.23	21.60	21.71	22.5	1		15	16QAM	1	0	21.17	21.12	21.17	22.5	1	
15	16QAM	1	37	21.17	21.44	22.36				15	16QAM	1	0	21.57	21.34	21.40			
15	16QAM	1	74	21.45	21.65	21.61				15	16QAM	1	37	21.61	21.35	21.67			
15	16QAM	36	0	20.39	20.36	20.70				15	16QAM	36	0	20.16	20.03	20.16			
15	16QAM	36	20	20.37	20.37	20.74	21.5	2		15	16QAM	36	20	20.24	20.17	20.15	21.5	2	
15	16QAM	36	39	20.30	20.35	20.64				15	16QAM	36	39	20.05	20.10	20.07			
15	16QAM	75	0	20.40	20.33	20.70				15	16QAM	75	0	20.37	20.24	20.36			
15	64QAM	1	0	20.28	20.07	20.80				15	64QAM	1	37	20.43	20.38	20.04			
15	64QAM	1	37	20.62	20.66	20.71	21.5	2		15	64QAM	1	74	20.48	20.21	20.11	21.5	2	
15	64QAM	1	74	20.43	20.06	20.53				15	64QAM	1	74	20.29	20.26	20.06			
15	64QAM	36	0	19.35	19.32	19.72				15	64QAM	36	0	19.37	19.31	19.54			
15	64QAM	36	20	19.40	19.37	19.71				15	64QAM	36	20	19.28	19.22	19.30			
15	64QAM	36	39	19.36	19.31	19.69	20.5	3		15	64QAM	36	39	19.20	19.25	19.30	20.5	3	
15	64QAM	75	0	19.37	19.32	19.63				15	64QAM	75	0	19.30	19.23	19.39			
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
10	QPSK	1	0	22.53	22.37	22.54	23.5	0		10	QPSK	1	0	22.14	22.18	22.16	23.5	0	
10	QPSK	1	25	22.41	22.35	22.33				10	QPSK	1	25	22.14	22.10	22.17			
10	QPSK	1	49	22.36	22.32	22.46	22.5	1		10	QPSK	25	0	21.37	21.34	21.76	22.5	1	
10	QPSK	25	0	21.37	21.34	21.76				10	QPSK	25	0	21.23	21.13	21.23			
10	QPSK	25	12	21.47	21.32	21.73				10	QPSK	25	12	21.17	21.12	21.22			
10	QPSK	25	25	21.44	21.41	21.76				10	QPSK	25	25	21.12	21.05	21.19			
10	QPSK	50	0	21.47	21.41	21.76	22.5	1		10	QPSK	50	0	21.19	21.19	21.22	22.5	1	
10	16QAM	1	0	21.70	21.81	21.67				10	16QAM	1	0	21.40	21.64	21.60			
10	16QAM	1	25	21.48	21.65	21.82				10	16QAM	1	25	21.39	21.62	21.88			
10	16QAM	1	49	21.61	21.69	21.75				10	16QAM	1	49	21.49	21.65	21.75			
10	16QAM	25	0	20.46	20.40	20.79	21.5	2		10	16QAM	25	0	20.26	20.13	20.22	21.5	2	
10	16QAM	25	12	20.43	20.42	20.88				10	16QAM	25	12	20.21	20.10	20.17			
10	16QAM	25	25	20.39	20.33	20.71				10	16QAM	25	25	20.15	20.09	20.17			
10	16QAM	50	0	20.43	20.31	20.77				10	16QAM	50	0	20.19	20.14	20.18			
10	64QAM	1	0	20.57	20.58	20.89	21.5	2		10	64QAM	1	0	20.50	20.37	20.48	21.5	2	
10	64QAM	1	25	20.48	20.42	20.51				10	64QAM	1	25	20.58	20.33	20.41			
10	64QAM	1	49	20.42	20.36	20.44				10	64QAM	1	49	20.18	20.29	20.13			
10	64QAM	25	0	19.38	19.38	19.80				10	64QAM	25	0	19.43	19.30	19.46			
10	64QAM	25	12	19.40	19.33	19.63	20.5	3		10	64QAM	25	12	19.37	19.31	19.28	20.5	3	
10	64QAM	25	25	19.39	19.36	19.76				10	64QAM	25	25	19.35	19.25	19.32			
10	64QAM	50	0	19.40	19.34	19.76				10	64QAM	50	0	19.33	19.25	19.32			
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
5	QPSK	1	0	22.42	22.45	22.51	23.5	0		5	QPSK	1	0	22.17	22.24	22.22	23.5	0	
5	QPSK	1	12	22.42	22.49	22.52				5	QPSK	1	18	22.21	22.18	22.20			
5	QPSK	1	24	22.48	22.36	22.51	22.5	1		5	QPSK	12	0	21.37	21.34	21.76	22.5	1	
5	QPSK	12	0	21.38	21.44	21.77				5	QPSK	12	0	21.22	21.15	21.19			
5	QPSK	12	7	21.41	21.33	21.70				5	QPSK	12	7	21.18	21.09	21.12			
5	QPSK	12	13	21.36	21.34	21.65				5	QPSK	12	13	21.02	21.01	21.08			
5	QPSK	25	0	21.43	21.37	21.68	22.5	1		5	QPSK	25	0	21.16	21.11	21.15	22.5	1	
5	16QAM	1	0	21.57	21.25	22.06				5	16QAM	1	0	21.65	21.47	21.63			
5	16QAM	1	12	21.49	21.20	22.02				5	16QAM	1	12	21.61	21.51	21.64			
5	16QAM	1	24	21.71	21.43	21.84				5	16QAM	1	24	21.71	21.43	21.84			
5	16QAM	12	0	20.31	20.36	20.76	21.5	2		5	16QAM	12	0	20.14	20.12	20.10	21.5	2	
5	16QAM	12	7	20.42	20.28	20.83				5	16QAM	12	7	20.11	20.05	20.08			
5	16QAM	12	13	20.38	20.28	20.56				5	16QAM	12	13	20.10	20.07	20.20			
5	16QAM	25	0	20.35	20.34	20.72				5	16QAM	25	0	20.10	20.07	20.20			
5	64QAM	1	0	20.66	20.69	20.99	21.5	2		5	64QAM	1	0	20.48	20.45	20.40	21.5	2	
5	64QAM	1	12	20.22	20.38	21.05				5	64QAM	1	12	20.06	20.35	20.22			
5	64QAM	1	24	20.73	20.65	20.93				5	64QAM	1	24	20.36	20.29	20.26			
5	64QAM	12	0	19.43	19.33	19.67				5	64QAM	12	0	19.42	19.27	19.26			
5	64QAM	12	7	19.37	19.32	19.62	20.5	3		5	64QAM	12	7	19.34	19.19	19.28	20.5	3	
5	64QAM	12	13	19.31	19.33	19.75				5	64QAM	12	13	19.24	19.30	19.26			
5	64QAM	25	0	19.27	19.29	19.33				5	64QAM	25	0	19.29	19.31	19.30			
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
3	QPSK	1	0	22.36	22.31	22.46	23.5	0		3	QPSK	1	0	22.16	22.08	22.12	23.5	0	
3	QPSK	1	8	22.34	22.34	22.49				3	QPSK	1	8	22.19	22.15	22.20			
3	QPSK	1	14	22.30	22.47	22.52	22.5	1		3	QPSK	1	14	22.11	22.19	22.18	22.5	1	
3	QPSK	8	0	21.35	21.43	21.71				3	QPSK	8	0	21.19	21.11	21.15			
3	QPSK	8	4	21.38	21.36	21.68				3	QPSK	8	4	21.16	21.07	21.11			
3	QPSK	8	7	21.37															

Band 5_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				20450	20525	20600			
10	QPSK	1	0	22.60	22.66	22.67			
10	QPSK	1	26	22.71	22.89	22.81	24.5	0	
10	QPSK	1	49	22.70	22.67	22.73			
10	QPSK	25	0	21.68	21.63	21.63			
10	QPSK	25	12	21.72	21.66	21.64	23.5	1	
10	QPSK	25	26	21.71	21.68	21.69			
10	16QAM	1	0	22.56	22.46	21.67			
10	16QAM	1	26	22.28	22.04	21.65	23.5	1	
10	16QAM	1	49	22.07	21.83	22.24			
10	16QAM	25	0	20.68	20.86	20.91			
10	16QAM	25	12	20.65	20.73	20.86	22.5	2	
10	16QAM	25	26	20.64	20.68	20.71			
10	16QAM	50	0	20.74	20.75	20.79			
10	16QAM	50	0	20.75	20.92	20.92			
10	16QAM	50	26	20.72	20.76	21.02	22.5	2	
10	16QAM	1	49	20.84	20.95	20.75			
10	64QAM	25	0	19.68	19.82	19.84			
10	64QAM	25	12	19.64	19.70	19.80	21.5	3	
10	64QAM	25	26	19.68	19.69	19.72			
10	64QAM	50	0	19.67	19.71	19.78			
Channel									
Frequency (MHz)				20425	20525	20625	Turn-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.54	22.63	22.63			
5	QPSK	1	12	22.82	22.83	22.83	24.5	0	
5	QPSK	1	24	22.84	22.75	22.84			
5	QPSK	12	0	21.83	21.89	22.00			
5	QPSK	12	1	21.80	21.86	21.90	23.5	1	
5	QPSK	12	13	21.80	21.79	21.78			
5	QPSK	26	0	21.79	21.90	21.93			
5	16QAM	1	0	21.91	22.22	22.23			
5	16QAM	1	26	21.88	22.11	22.35	23.5	1	
5	16QAM	1	24	22.27	21.99	21.88			
5	16QAM	12	0	20.78	20.88	20.88			
5	16QAM	12	7	20.83	20.78	20.78	22.5	2	
5	16QAM	12	10	20.80	20.74				
5	16QAM	26	0	20.83	20.84	20.82			
5	64QAM	1	0	20.98	21.09	21.04	22.5	2	
5	64QAM	1	12	20.71	21.15	21.25			
5	64QAM	1	24	20.98	20.76	21.07			
5	64QAM	12	0	19.71	19.85	19.94			
5	64QAM	12	7	19.90	19.80	19.92	21.5	3	
5	64QAM	12	10	19.77	19.66	19.80			
5	64QAM	26	0	19.70	19.79	19.90			
Channel									
Frequency (MHz)				20415	20525	20635	Turn-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	22.75	22.81	22.89			
3	QPSK	1	8	22.82	22.81	22.83	24.5	0	
3	QPSK	1	14	22.77	22.82	22.78			
3	QPSK	8	0	21.76	21.85	21.90			
3	QPSK	8	4	21.80	21.85	21.89	23.5	1	
3	QPSK	8	7	21.77	21.80	21.88			
3	QPSK	16	0	21.76	21.88	21.90			
3	16QAM	1	0	21.83	21.74	22.09	23.5	1	
3	16QAM	1	8	22.22	22.22	21.96			
3	16QAM	1	16	22.11	22.14	22.37			
3	16QAM	8	0	20.72	20.75	21.01			
3	16QAM	8	4	20.83	20.82	20.88	22.5	2	
3	16QAM	8	7	20.84	20.80	20.89			
3	16QAM	16	0	20.75	20.71	20.92			
3	64QAM	1	0	21.03	21.05	20.91			
3	64QAM	1	8	21.14	20.86	20.87	22.5	2	
3	64QAM	1	16	21.01	21.09	20.85			
3	64QAM	8	0	19.65	19.82	20.02			
3	64QAM	8	4	19.73	19.87	19.90	21.5	3	
3	64QAM	8	7	19.78	19.70	19.77			
3	64QAM	16	0	19.76	19.72	19.79			
Channel									
Frequency (MHz)				20407	20525	20643	Turn-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	22.75	22.77	22.81			
1.4	QPSK	1	3	22.61	22.63	22.84	24.5	0	
1.4	QPSK	1	6	22.72	22.76	22.83			
1.4	QPSK	3	0	22.78	22.75	22.81			
1.4	QPSK	3	1	22.83	22.76	22.84	23.5	1	
1.4	QPSK	3	3	22.80	22.79	22.80			
1.4	QPSK	6	0	21.77	21.86	21.87			
1.4	16QAM	1	0	22.32	22.27	22.35			
1.4	16QAM	1	3	22.07	22.06	22.38	23.5	1	
1.4	16QAM	1	6	22.20	21.99	22.12	23.5	1	
1.4	16QAM	3	0	21.83	21.83	21.92			
1.4	16QAM	3	1	21.84	21.82	21.85	22.5	2	
1.4	16QAM	3	3	21.72	21.72	21.85			
1.4	16QAM	6	0	20.80	20.83	20.90	22.5	2	
1.4	16QAM	6	1	20.97	20.83	21.20			
1.4	16QAM	6	3	20.98	20.78	21.10			
1.4	16QAM	6	6	20.57	21.09	20.64			
1.4	64QAM	3	0	20.90	20.92	21.01	22.5	2	
1.4	64QAM	3	1	20.82	20.90	21.01			
1.4	64QAM	3	3	20.82	20.88	20.97			
1.4	64QAM	6	0	19.69	19.87	19.83	21.5	3	

Band 7_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				20650	21100	21550			
20	QPSK	1	0	19.82	19.87	19.83			
20	QPSK	1	49	19.86	19.83	19.89	21	0	
20	QPSK	1	99	19.84	19.91	19.85			
20	QPSK	50	0	19.69	19.83	19.82			
20	QPSK	50	24	19.78	19.82	19.88			
20	QPSK	50	50	19.73	19.86	19.85			
20	QPSK	100	0	19.74	19.88	19.86			
20	16QAM	1	0	19.75	19.96	19.83			
20	16QAM	1	49	19.74	19.95	19.85	21		
20	16QAM	1	99	19.72	19.96	19.82			
20	16QAM	50	0	19.69	19.83	19.83			
20	16QAM	50	24	19.69	19.91	19.84	21	0	
20	16QAM	50	50	19.74	19.83	19.82			
20	16QAM	100	0	19.73	19.89	19.80			
20	64QAM	1	0	19.75	19.90	19.86			
20	64QAM	1	49	19.71	19.98	19.82	21	0	
20	64QAM	1	99	19.75	19.86	19.87			
20	64QAM	50	0	18.68	18.71	18.66			
20	64QAM	50	24	18.61	18.69	18.59	20		1
20	64QAM	50	50	18.63	18.70	18.60			
20	64QAM	100	0	18.64	18.69	18.65			
Channel									
Frequency (MHz)				20625	21100	21575	Turn-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	19.82	19.86	19.79			
15	QPSK	1	37	19.88	19.90	19.80	21	0	
15	QPSK	1	74	19.82	19.78	19.79			
15	QPSK	36	0	19.62	19.74	19.80			
15	QPSK	36	36	19.80	19.80	19.91	21	0	
15	QPSK	36	39	19.82	19.81	19.81			
15	QPSK	76	0	19.81	19.82	19.75			
15	16QAM	1	0	19.67	19.85	19.87			
15	16QAM	1	37	19.73	19.81	19.74	21		
15	16QAM	1	74	19.73	19.84	19.81			
15	16QAM	36	0	19.70	19.81	19.79			
15	16QAM	36	20	19.90	19.84	19.83			
15	16QAM	36	20	19.82	19.76	19.76			
15	16QAM	36	20	19.78	19.77	19.77			
15	16QAM	36	39	19.82	19.77	19.80	21		
15	16QAM	36	39	19.78	19.77	19.80			
15	16QAM	36	50	19.87	19.86	19.70			
15	16QAM	36	20	18.62	18.66	18.60	20		1
15	16QAM	36	20	18.66	18.66	18.60			
15	16QAM	36	20	18.65	18.60	18.60			
15	16QAM	76	0	19.80	19.81	19.75			
Channel									
Frequency (MHz)				20550	21530	25505	Turn-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	19.81	19.88	19.81			
10	QPSK	1	25	19.88	19.82	19.91	21	0	
10	QPSK	1	49	19.82	19.88	19.85			
10	QPSK	25	0	19.69	19.76	19.82			
10	QPSK	25	12	19.82	19.89	19.84			
10	QPSK	25	25	19.82	19.75	19.81	21	0	
10	QPSK	25	49	19.86	19.79	19.87			
10	16QAM	1	0	19.81	19.84	19.79			
10	16QAM	1	25	19.83	19.78	19.76	21		
10	16QAM	1	49	19.73	19.77	19.84			
10	16QAM	25	0	19.62	19.72	19.74			
10	16QAM	25	12	19.90	19.81	19.83			
10	16QAM	25	25	19.73	19.72	19.75			
10	16QAM	50	0	19.66	19.80	19.85			
10	16QAM	50	12	19.85	19.85	19.82	21		
10	64QAM	1	0	19.75	19.79	19.76	21	0	
10	64QAM	1	49	19.75	19.77	19.74			
10	64QAM	25	0	18.67	18.66	18.64			
10	64QAM	25	12	18.65	18.65	18.67	20		1
10	64QAM	25	25	18.67	18.60	18.67			
10	64QAM	50	0	18.59	18.59	18.62			
Channel									
Frequency (MHz)				20775	21510	21425	Turn-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	19.85	19.79	19.79			
5	QPSK	1	12	19.83	19.83	19.80	21	0	
5	QPSK	1	24	19.90	19.87	19.81			
5	QPSK	12	0	19.79	19.75	19.76			
5	QPSK	12	12	19.86	19.87	19.79	21	0	
5	QPSK	12	24	19.82	19.87	19.79			
5	QPSK	12	36	19.80	19.82	19.80			
5	QPSK	25	0	19.80	19.87	19.79			
5	QPSK	25	12	19.86	19.79	19.82	21		
5	16QAM	1	0	19.73	19.79	19.76			
5	16QAM	1	24	19.83	19.83	19.79			
5	16QAM	12	0	19.78	19.75	19.77			
5	16QAM	12	12	19.85	19.85	19.79	21		
5	16QAM	12	24	19.79	19.73	19.76			
5	16QAM	25	0	19.65	19.83	19.84			
5	64QAM	1	0	19.84	19.83	19.81			
5	64QAM	1	12	19.81	19.73	19.78	21		
5	64QAM	1	24	19.79	19.84	19.82			
5	64QAM	12	0	18.67	18.61	18.63			
5	64QAM	12	12	18.62	18.64	18.62	20		1
5	64QAM	12	24	18.68	18.64	18.67			
5	64QAM	25	0	18.63	18.64	18.59			



Reduced Power for DSI 4

Band 38_Ant 13										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (ms)	MPR (dB)		
Channel				37650	38000	38150				
Frequency (MHz)				2577.5	2595	2612.5				
20	QPSK	1	0	22.28	22.21	22.31	23.4	0		
20	QPSK	1	48	22.46	22.49	22.45				
20	QPSK	1	96	22.34	22.38	22.44				
20	QPSK	50	0	21.40	21.46	21.38	22.4	1		
20	QPSK	50	24	21.49	21.52	21.47				
20	QPSK	50	50	21.47	21.42	21.46				
20	QPSK	100	0	21.41	21.42	21.40	22.4	1		
20	16QAM	1	0	21.28	21.30	21.27				
20	16QAM	1	48	21.45	21.48	21.46				
20	16QAM	1	96	21.39	21.33	21.35	21.4	2		
20	16QAM	50	0	20.33	20.43	20.41				
20	16QAM	50	24	20.41	20.47	20.41				
20	16QAM	50	50	20.43	20.35	20.44	21.4	2		
20	16QAM	100	0	20.42	20.43	20.41				
20	16QAM	1	0	19.33	19.34	20.02	21.4	2		
20	16QAM	1	48	20.17	20.24	20.12				
20	16QAM	1	96	20.06	20.05	20.05				
20	16QAM	50	0	19.33	19.35	19.34	20.4	3		
20	16QAM	50	24	19.35	19.43	19.44				
20	16QAM	50	50	19.38	19.31	19.33				
Channel <th>37625</th> <th>38000</th> <th>38175</th> <th>Turn-up time (ms)</th> <th>MPR (dB)</th> <th colspan="2"></th>				37625	38000	38175	Turn-up time (ms)	MPR (dB)		
Frequency (MHz)				22.33	22.32	22.34				
15	QPSK	1	0	22.33	22.32	22.34	23.4	0		
15	QPSK	1	37	22.38	22.40	22.39				
15	QPSK	1	74	22.42	22.38	22.38				
15	QPSK	36	0	21.32	21.32	21.32	22.4	1		
15	QPSK	36	20	21.37	21.37	21.32				
15	QPSK	36	36	21.35	21.36	21.32				
15	QPSK	75	0	21.35	21.36	21.37	22.4	1		
15	16QAM	1	0	21.32	21.24	21.32				
15	16QAM	1	37	21.35	21.40	21.32				
15	16QAM	1	74	21.40	21.35	21.35	21.4	2		
15	16QAM	36	0	20.25	20.33	20.27				
15	16QAM	36	20	20.28	20.29	20.31				
15	16QAM	36	36	20.28	20.30	20.30	21.4	2		
15	16QAM	75	0	20.34	20.36	20.29				
15	16QAM	1	0	20.00	19.99	20.03				
15	16QAM	1	37	20.06	20.17	20.15	21.4	2		
15	16QAM	1	74	20.08	20.12	20.14				
15	16QAM	36	0	19.31	19.32	19.24				
15	16QAM	36	20	19.27	19.34	19.27	20.4	3		
15	16QAM	36	36	19.31	19.32	19.33				
15	16QAM	75	0	19.29	19.29	19.30				
Channel <th>37600</th> <th>38000</th> <th>38200</th> <th>Turn-up time (ms)</th> <th>MPR (dB)</th> <th colspan="2"></th>				37600	38000	38200	Turn-up time (ms)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
10	QPSK	1	0	22.36	22.46	22.33	23.4	0		
10	QPSK	1	25	22.40	22.48	22.43				
10	QPSK	1	49	22.37	22.42	22.41				
10	QPSK	25	0	21.31	21.36	21.39	22.4	1		
10	QPSK	25	12	21.36	21.39	21.41				
10	QPSK	25	25	21.35	21.35	21.39				
10	QPSK	50	0	21.39	21.42	21.42	22.4	1		
10	QPSK	50	24	21.39	21.42	21.42				
10	16QAM	1	0	21.32	21.44	21.25				
10	16QAM	1	25	21.45	21.47	21.46	22.4	1		
10	16QAM	1	49	21.35	21.41	21.38				
10	16QAM	25	0	20.38	20.42	20.42				
10	16QAM	25	12	20.34	20.43	20.37	21.4	2		
10	16QAM	25	25	20.37	20.42	20.44				
10	16QAM	50	0	20.38	20.47	20.43				
10	16QAM	50	24	20.38	20.45	20.45	21.4	2		
10	16QAM	50	49	20.06	20.05	20.01				
10	16QAM	1	25	20.11	20.12	20.14				
10	16QAM	1	49	20.05	20.08	20.08	20.4	3		
10	16QAM	25	0	19.33	19.41	19.39				
10	16QAM	25	12	19.38	19.41	19.43				
10	16QAM	25	25	19.38	19.35	19.46	20.4	3		
10	16QAM	50	0	19.29	19.33	19.37				
Channel <th>25725</th> <th>2595</th> <th>2617.5</th> <th>Turn-up time (ms)</th> <th>MPR (dB)</th> <th colspan="2"></th>				25725	2595	2617.5			Turn-up time (ms)	MPR (dB)
Frequency (MHz)				22.33	22.32	22.34				
5	QPSK	1	0	22.40	22.40	22.40	23.4	0		
5	QPSK	1	12	22.37	22.46	22.44				
5	QPSK	1	24	22.38	22.45	22.44				
5	QPSK	12	0	21.35	21.48	21.41	22.4	1		
5	QPSK	12	7	21.35	21.37	21.47				
5	QPSK	12	13	21.35	21.36	21.37				
5	QPSK	25	0	21.28	21.37	21.39	22.4	1		
5	16QAM	1	0	21.35	21.40	21.43				
5	16QAM	1	12	21.42	21.39	21.43				
5	16QAM	1	24	21.43	21.41	21.47	21.4	2		
5	16QAM	12	0	20.29	20.35	20.30				
5	16QAM	12	7	20.30	20.34	20.37				
5	16QAM	12	13	20.33	20.36	20.34	21.4	2		
5	16QAM	25	0	20.34	20.40	20.44				
5	16QAM	1	0	20.07	20.12	20.10				
5	16QAM	1	12	20.15	20.18	20.15	21.4	2		
5	16QAM	1	24	20.13	20.11	20.15				
5	16QAM	12	0	19.33	19.40	19.41				
5	16QAM	12	7	19.28	19.34	19.38	20.4	3		
5	16QAM	12	13	19.29	19.34	19.35				
5	16QAM	25	0	19.35	19.45	19.43				

Band 41_Ant 13										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Power Peak Ch. / Freq.	Power Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2503.5	2548.3	2593	2637.5	2682.5		
20	QPSK	1	0	22.12	22.05	22.27	22.25	22.26	23.4	0
20	QPSK	1	48	22.25	22.26	22.50	22.43	22.46		
20	QPSK	1	96	22.15	22.20	22.39	22.37	22.34		
20	QPSK	50	0	21.19	21.24	21.38	21.37	21.35	22.4	1
20	QPSK	50	24	21.32	21.31	21.47	21.44	21.43		
20	QPSK	50	50	21.31	21.29	21.45	21.43	21.42		
20	QPSK	100	0	21.23	21.20	21.38	21.35	21.38	22.4	1
20	16QAM	1	0	21.16	21.11	21.28	21.25	21.32		
20	16QAM	1	48	21.26	21.27	21.53	21.50	21.47		
20	16QAM	1	96	21.20	21.23	21.29	21.39	21.30	21.4	2
20	16QAM	50	0	20.16	20.22	20.38	20.34	20.41		
20	16QAM	50	24	20.28	20.20	20.43	20.46	20.41		
20	16QAM	50	50	20.29	20.25	20.32	20.41	20.44	21.4	2
20	16QAM	100	0	20.24	20.20	20.33	20.42	20.45		
20	16QAM	1	0	19.80	19.82	19.93	19.96	20.07	21.4	2
20	16QAM	1	48	19.94	19.90	20.13	20.11	20.14		
20	16QAM	1	96	19.88	19.86	20.03	20.05	20.13		
20	16QAM	50	0	19.11	19.17	19.30	19.32	19.35	20.4	3
20	16QAM	50	24	19.23	19.17	19.38	19.36	19.36		
20	16QAM	50	50	19.22	19.18	19.36	19.36	19.37		
20	16QAM	100	0	19.19	19.20	19.36	19.36	19.36		
Channel				39725	40173	40600	41008	41518	14.8 dBm limit	MPR (dB)
Frequency (MHz)				2503.5	2547.3	2590	2635	2685		
15	QPSK	1	0	22.21	22.31	22.47	22.43	22.45	23.4	0
15	QPSK	1	37	22.38	22.41	22.49	22.48	22.45		
15	QPSK	1	74	22.35	22.41	22.42	22.48	22.43		
15	QPSK	1	111	21.35	21.41	21.42	21.48	21.50	22.4	1
15	QPSK	36	0	21.35	21.34	21.46	21.49	21.51		
15	QPSK	36	36	21.35	21.34	21.46	21.51	21.52		
15	QPSK	72	0	21.35	21.32	21.44	21.54	21.52	22.4	1
15	QPSK	72	36	21.32	21.34	21.46	21.52	21.53		
15	QPSK	72	72	21.35	21.34	21.46	21.51	21.52		
15	16QAM	1	0	21.30	21.34	21.40	21.46	21.52	21.4	2
15	16QAM	1	37	21.43	21.38	21.52	21.54	21.51		
15	16QAM	1	74	21.39	21.46	21.49	21.56	21.55		
15	16QAM	1	111	20.15	20.23	20.33	20.35	20.37	21.4	2
15	16QAM	36	0	20.28	20.33	20.42	20.50	20.53		
15	16QAM	36	36	20.29	20.30	20.52	20.50	20.52		
15	16QAM	72	0	20.36	20.34	20.42	20.52	20.57	20.4	3
15	16QAM	72	36	19.99	20.01	20.09	20.23	20.23		
15	16QAM	72	72	20.12	20.12	20.22	20.24	20.27		
15	16QAM	1	74	20.04	20.14	20.13	20.23	20.29	20.4	3
15	16QAM	1	111	19.21	19.30	19.31	19.40	19.40		
15	16QAM	36	20	19.26	19.27	19.40	19.46	19.46		
15	16QAM	36	56	19.26	19.27	19.40	19.46	19.46	20.4	3
15	16QAM	36	92	19.26	19.28	19.42	19.46	19.53		
15	16QAM	72	56	19.32	19.33	19.47	19.53	19.53		
Channel				39750	40185	40620	41055	41490	14.8 dBm limit	MPR (dB)
Frequency (MHz)				2501	2547	2593	2635	2685		
10	QPSK	1	0	22.21	22.20	22.29	22.25	22.26	23.4	0
10	QPSK	1	48	22.23	22.26	22.28	22.38	22.41		
10	QPSK	1	96	22.21	22.16	22.41	22.44	22.46		
10	QPSK	25	0	21.32	21.34	21.45	21.54	21.61	22.4	1
10	QPSK	25	12	21.37	21.37	21.57	21.67	21.59		
10	QPSK	25	25	21.40	21.33	21.51	21.58	21.65		
10	QPSK	50	0	21.39	21.34	21.48	21.60	21.63	22.4	1
10	16QAM	1	0	21.47	21.48	21.51	21.71	21.69		
10	16QAM	1	48	21.44	21.40	21.69	21.86	21.85		
10	16QAM	1	96	21.37	21.39	21.55	21.57	21.60	21.4	2
10	16QAM	25	0	20.39	20.35	20.46	20.68	20.65		
10	16QAM	25	12	20.35	20.40	20.43	20.66	20.64		
10	16QAM	25	25	20.37	20.33	20.57	20.62	20.70	20.4	3
10	16QAM	50	0	20.36	20.34	20.54	20.57	20.59		
10	16QAM	50	12	20.40	20.38	20.59	20.57	20.64		
10	16QAM	50	25	20.16	20.15	20.29	20.12	20.32	21.4	2
10	16QAM	1	48	20.09	20.10	20.23	20.25	20.34		
10	16QAM	25	0	19.31	19.34	19.52	19.53	19.63		
10	16QAM	25	12	19.36	19.40	19.54	19.59	19.66	20.4	3
10	16QAM	25	25	19.38	19.38	19.54	19.59	19.65		
10	16QAM	50	0	19.28	19.33	19.50	19.53	19.56		
Channel				39750	40185	40620	41055	41490	14.8 dBm limit	MPR (dB)
Frequency (MHz)				2498.5	2545.5	2593	2633.5	2679.5		
5	QPSK	1	0	22.15	22.19	22.39	22.30	22.43	23.4	0
5	QPSK	1	12	22.27	22.21	22.39	22.38	22.43		
5	QPSK	1	24	22.27	22.24	22.39	22.43	22.44		
5	QPSK	12	0	21.35	21.41	21.57	21.57	21.64	22.4	1
5	QPSK	12	7	21.38	21.32	21.53	21.63	21.63		
5	QPSK	12	14	21.37	21.34	21.57	21.61	21.63		
5	QPSK	25	0	21.40	21.41	21.48	21.66	21.72	21.4	2
5	16QAM	1	0	21.46	21.43	21.54	21.59	21.64		
5	16QAM	1	12	21.46	21.44	21.61	21.66	21.63		
5	16QAM	1	24	21.46	21.41	21.51	21.67	21.64	21.4	2
5	16QAM	12	0	20.28	20.35	20.42	20.52	20.55		
5	16QAM	12	7	20.26	20.38	20.50	20.53	20.60		
5	16QAM	12	14	20.26	20.36	20.50	20.56	20.56	20.4	3
5	16QAM	25	0	20.02	20.40	20.59	20.61	20.69		
5	16QAM	25	12	20.15	20.13	20.24	20.34	20.37		
5	16QAM	25	24	20.15	20.14	20.24	20.36	20.41	21.4	2
5	16QAM	12	0	19.31	19.36	19.47	19.51	19.64		
5	16QAM	12	7	19.33	19.34	19.47	19.52	19.62		
5	16QAM	12	14	19.36	19.38	19.47	19.53	19.60	20.4	3
5	16QAM	25	0	19.40	19.35	19.54	19.57	19.63		



Band 2_Ant 31										
RF (MHz)	Modulation	RB Size	RB Offset	Power (dBm)	Power (dBm)	Power (dBm)	Time-up (ms)	APNs (id)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.00	20.00	19.99				
20	QPSK	1	49	20.02	20.11	20.04		21	0	
20	QPSK	1	99	19.95	19.99	20.02				
20	QPSK	80	24	19.91	19.99	19.97				
20	QPSK	80	24	19.99	20.07	19.96				
20	QPSK	80	50	19.94	19.94	20.02	19.99			
20	QPSK	100	0	19.96	20.02	19.95				
20	QPSK	100	0	19.96	20.02	19.99				
20	HQAM	1	49	19.91	19.91	20.02	19.95	21	0	
20	HQAM	1	99	19.95	19.95	20.00	19.90			
20	HQAM	80	0	19.94	19.94	20.05	19.95			
20	HQAM	80	24	19.94	19.94	20.04	19.98			
20	HQAM	80	50	19.94	19.94	20.03	19.93	21	0	
20	HQAM	100	0	19.90	20.00	19.95				
20	HQAM	80	24	19.93	19.93	20.00	19.98			
20	HQAM	1	49	19.91	19.91	19.99	19.90			
20	HQAM	1	99	19.96	19.96	20.02	19.92			
20	HQAM	80	0	19.95	20.01	19.91				
20	HQAM	80	24	19.93	20.00	19.95				
20	HQAM	80	50	19.94	19.95	20.00	19.87			
20	HQAM	100	0	19.96	20.06	19.95				
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.05	19.99	19.97				
15	QPSK	1	37	20.03	19.99	20.08				
15	QPSK	1	74	20.00	20.07	19.97		21	0	
15	QPSK	36	0	19.96	19.96	19.99				
15	QPSK	36	20	20.02	19.99	19.94				
15	QPSK	36	39	19.94	19.99	19.94				
15	QPSK	75	0	19.96	19.96	19.95				
15	HQAM	1	37	19.98	19.97	19.93				
15	HQAM	1	74	19.99	19.98	19.92		21	0	
15	HQAM	1	74	19.99	19.99	19.87				
15	HQAM	36	0	19.96	19.96	19.99				
15	HQAM	36	20	19.90	19.90	19.95				
15	HQAM	36	39	19.97	19.98	19.95				
15	HQAM	75	0	19.99	20.00	19.95				
Channel										
Frequency (MHz)										
10	QPSK	1	0	19.95	19.99	19.99				
10	QPSK	1	25	20.00	19.99	20.02		21	0	
10	QPSK	1	49	20.00	20.01	20.08				
10	QPSK	25	0	19.96	19.94	19.94				
10	QPSK	25	12	20.01	19.97	19.97		21	0	
10	QPSK	25	25	19.99	19.95	19.89				
10	HQAM	1	0	19.94	19.93	19.92				
10	HQAM	1	25	19.90	19.90	19.91				
10	HQAM	1	25	19.89	19.94	19.91		21	0	
10	HQAM	1	49	19.96	19.98	19.91				
10	HQAM	25	0	19.97	19.93	19.92				
10	HQAM	25	12	20.00	19.91	19.91				
10	HQAM	25	25	19.93	19.92	19.94				
10	HQAM	50	0	19.97	19.97	19.97		<div>		

Band 4_Ant 13									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				20550	20175	20350			
20	QPSK	1	0	19.40	19.41	19.34	20.5	0	
20	QPSK	1	49	19.45	19.43	19.40			
20	QPSK	1	99	19.41	19.42	19.35			
20	QPSK	50	0	19.30	19.44	19.27			
20	QPSK	50	50	19.32	19.37	19.25	20.5	0	
20	QPSK	100	0	19.30	19.45	19.26			
20	16QAM	1	0	19.37	19.43	19.36			
20	16QAM	1	49	19.31	19.41	19.25			
20	16QAM	1	99	19.35	19.42	19.31	20.5	0	
20	16QAM	50	0	19.31	19.43	19.30			
20	16QAM	50	24	19.31	19.40	19.27			
20	16QAM	100	0	19.34	19.38	19.28			
20	64QAM	1	0	19.38	19.44	19.25	20.5	0	
20	64QAM	1	49	19.31	19.43	19.29			
20	64QAM	1	99	19.34	19.40	19.23			
20	64QAM	50	0	19.30	19.42	19.29			
20	64QAM	50	24	19.33	19.37	19.27	20.5	0	
20	64QAM	50	50	19.33	19.37	19.27			
20	64QAM	100	0	19.35	19.44	19.24			
Channel									
Frequency (MHz)				1717.5 <th>1732.5<th>1747.5<th></th><th></th><th></th></th></th>	1732.5 <th>1747.5<th></th><th></th><th></th></th>	1747.5 <th></th> <th></th> <th></th>			
15	QPSK	1	0	19.33	19.29	19.32	20.5	0	
15	QPSK	1	37	19.39	19.41	19.35			
15	QPSK	1	74	19.41	19.31	19.41			
15	QPSK	36	0	19.38	19.38	19.37			
15	QPSK	36	36	19.35	19.32	19.36	20.5	0	
15	QPSK	75	0	19.43	19.42	19.44			
15	16QAM	1	0	19.37	19.37	19.38			
15	16QAM	1	37	19.38	19.35	19.40			
15	16QAM	1	74	19.40	19.33	19.34	20.5	0	
15	16QAM	36	0	19.40	19.39	19.35			
15	16QAM	36	20	19.39	19.29	19.28			
15	16QAM	36	39	19.38	19.31	19.39			
15	16QAM	75	0	19.29	19.25	19.37	20.5	0	
15	64QAM	1	0	19.30	19.29	19.30			
15	64QAM	1	37	19.36	19.36	19.30			
15	64QAM	1	74	19.28	19.35	19.30			
15	64QAM	36	0	19.35	19.41	19.39	20.5	0	
15	64QAM	36	20	19.32	19.28	19.28			
15	64QAM	36	39	19.28	19.29	19.30			
15	64QAM	75	0	19.38	19.34	19.43			
Channel									
Frequency (MHz)				1717.5 <th>1732.5<th>1753.5<th></th><th></th><th></th></th></th>	1732.5 <th>1753.5<th></th><th></th><th></th></th>	1753.5 <th></th> <th></th> <th></th>			
10	QPSK	1	0	19.28	19.30	19.40	20.5	0	
10	QPSK	1	25	19.40	19.48	19.44			
10	QPSK	1	49	19.34	19.34	19.31			
10	QPSK	25	0	19.34	19.38	19.41			
10	QPSK	25	12	19.40	19.35	19.43	20.5	0	
10	QPSK	25	25	19.28	19.29	19.35			
10	QPSK	50	0	19.38	19.35	19.33			
10	16QAM	1	0	19.30	19.40	19.39			
10	16QAM	1	25	19.32	19.37	19.35	20.5	0	
10	16QAM	1	49	19.38	19.35	19.38			
10	16QAM	25	0	19.34	19.35	19.31			
10	16QAM	25	12	19.30	19.31	19.28			
10	16QAM	25	25	19.40	19.35	19.36	20.5	0	
10	16QAM	50	0	19.37	19.37	19.38			
10	64QAM	1	0	19.41	19.41	19.30			
10	64QAM	1	25	19.34	19.35	19.29			
10	64QAM	1	49	19.35	19.34	19.31	20.5	0	
10	64QAM	25	0	19.36	19.40	19.35			
10	64QAM	25	12	19.36	19.32	19.34			
10	64QAM	25	25	19.31	19.27	19.35			
10	64QAM	50	0	19.43	19.45	19.39	20.5	0	
Channel									
Frequency (MHz)				1712.5 <th>1732.5<th>1752.5<th></th><th></th><th></th></th></th>	1732.5 <th>1752.5<th></th><th></th><th></th></th>	1752.5 <th></th> <th></th> <th></th>			
5	QPSK	1	0	19.29	19.30	19.38	20.5	0	
5	QPSK	1	12	19.38	19.46	19.44			
5	QPSK	1	24	19.31	19.41	19.30			
5	QPSK	12	0	19.32	19.33	19.35			
5	QPSK	12	7	19.42	19.42	19.40	20.5	0	
5	QPSK	12	13	19.29	19.32	19.35			
5	QPSK	12	0	19.36	19.33	19.32			
5	16QAM	1	0	19.41	19.36	19.32			
5	16QAM	1	12	19.30	19.38	19.29	20.5	0	
5	16QAM	1	24	19.39	19.41	19.37			
5	16QAM	12	0	19.33	19.34	19.33			
5	16QAM	12	7	19.34	19.39	19.37			
5	16QAM	12	13	19.37	19.30	19.28	20.5	0	
5	16QAM	25	0	19.29	19.33	19.39			
5	64QAM	1	0	19.42	19.43	19.36			
5	64QAM	1	12	19.37	19.38	19.41			
5	64QAM	1	24	19.29	19.36	19.33	20.5	0	
5	64QAM	12	0	19.39	19.37	19.34			
5	64QAM	12	7	19.34	19.28	19.30			
5	64QAM	12	13	19.35	19.31	19.33			
5	64QAM	25	0	19.36	19.38	19.34	20.5	0	
Channel									
Frequency (MHz)				1711.5 <th>1732.5<th>1753.5<th></th><th></th><th></th></th></th>	1732.5 <th>1753.5<th></th><th></th><th></th></th>	1753.5 <th></th> <th></th> <th></th>			
3	QPSK	1	0	19.34	19.32	19.31	20.5	0	
3	QPSK	1	8	19.42	19.38	19.42			
3	QPSK	1	14	19.32	19.31	19.40			
3	QPSK	8	0	19.33	19.31	19.32			
3	QPSK	8	4	19.42	19.44	19.44	20.5	0	
3	QPSK	8	7	19.26	19.35	19.32			
3	QPSK	15	0	19.44	19.39	19.32			
3	16QAM	1	0	19.41	19.42	19.38			
3	16QAM	1	8	19.37	19.28	19.37	20.5	0	
3	16QAM	1	14	19.38	19.33	19.29			
3	16QAM	8	0	19.40	19.39	19.41			
3	16QAM	8	4	19.30	19.37	19.27			
3	16QAM	8	7	19.37	19.30	19.35	20.5	0	
3	16QAM	15	0	19.30	19.30	19.33			
3	64QAM	1	0	19.43	19.31	19.37			
3	64QAM	1	8	19.41	19.31	19.36			
3	64QAM	1	14	19.34	19.36	19.34	20.5	0	
3	64QAM	8	0	19.39	19.40	19.40			
3	64QAM	8	4	19.29	19.32	19.31			
3	64QAM	8	7	19.30	19.31	19.27			
3	64QAM	15	0	19.37	19.34	19.39	20.5	0	
Channel									
Frequency (MHz)				1710.7 <th>1732.5<th>1754.3<th></th><th></th><th></th></th></th>	1732.5 <th>1754.3<th></th><th></th><th></th></th>	1754.3 <th></th> <th></th> <th></th>			
1.4	QPSK	1	0	19.39	19.40	19.29	20.5	0	
1.4	QPSK	1	3	19.42	19.37	19.36			
1.4	QPSK	1	5	19.37	19.36	19.29			
1.4	QPSK	3	0	19.37	19.36	19.41			
1.4	QPSK	3	1	19.37	19.33	19.41	20.5	0	
1.4	QPSK	3	3	19.35	19.29	19.35			
1.4	QPSK	6	0	19.41	19.32	19.41			
1.4	16QAM	1	0	19.31	19.38	19.42			
1.4	16QAM	1	3	19.31	19.28	19.32	20.5	0	
1.4	16QAM	1	5	19.37	19.37	19.36			
1.4	16QAM	3	0	19.33	19.40	19.40			
1.4	16QAM	3	1	19.31	19.38	19.28			
1.4	16QAM	3	3	19.29	19.33	19.34	20.5	0	
1.4	16QAM	6	0	19.27	19.31	19.36			
1.4	16QAM	6	5	19.40	19.43	19.38			
1.4	64QAM	1	3	19.31	19.37	19.36			
1.4	64QAM	1	5	19.38	19.36	19.37	20.5	0	
1.4	64QAM	3	0	19.36	19.37	19.38			
1.4	64QAM	3	1	19.33	19.28	19.38			
1.4	64QAM	3	3	19.27	19.34	19.36			

Band 5_Ant 13												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.60	22.65	22.67	24.5	0				
10	QPSK	1	25	22.71	22.89	22.81						
10	QPSK	1	49	22.70	22.67	22.73						
10	QPSK	25	0	21.68	21.83	21.84	23.5	1				
10	QPSK	25	12	21.72	21.88	21.84						
10	QPSK	25	25	21.71	21.68	21.69						
10	QPSK	50	0	21.75	21.79	21.75	23.5	1				
10	16QAM	1	0	22.05	22.10	21.67						
10	16QAM	1	25	22.29	22.09	21.66						
10	16QAM	1	49	22.07	21.83	22.24	22.5	2				
10	16QAM	25	0	20.68	20.86	20.91						
10	16QAM	25	12	20.65	20.73	20.88						
10	16QAM	25	25	20.64	20.68	20.71	22.5	2				
10	16QAM	50	0	20.74	20.75	20.78						
10	64QAM	1	0	20.75	20.92	20.92						
10	64QAM	1	25	20.72	20.76	21.02	22.5	2				
10	64QAM	1	49	20.84	20.95	20.75						
10	64QAM	25	0	19.68	19.82	19.84						
10	64QAM	25	12	19.64	19.70	19.80	21.5	3				
10	64QAM	25	25	19.63	19.69	19.72						
10	64QAM	50	0	19.67	19.71	19.78						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.84	22.83	22.83	24.5	0				
5	QPSK	1	12	22.82	22.83	22.83						
5	QPSK	1	24	22.84	22.75	22.84						
5	QPSK	12	0	21.83	21.89	22.00	23.5	1				
5	QPSK	12	7	21.80	21.85	21.90						
5	QPSK	12	13	21.80	21.79	21.78						
5	QPSK	25	0	21.79	21.90	21.93	23.5	1				
5	16QAM	1	0	21.91	22.22	22.23						
5	16QAM	1	12	22.28	22.11	22.35						
5	16QAM	1	24	22.27	21.99	21.88	22.5	2				
5	16QAM	12	0	20.78	20.88	20.88						
5	16QAM	12	7	20.83	20.78	20.78						
5	16QAM	12	13	20.81	20.80	20.74	22.5	2				
5	16QAM	25	0	20.83	20.84	20.82						
5	64QAM	1	0	20.98	21.09	21.04						
5	64QAM	1	12	20.71	21.13	21.25	22.5	2				
5	64QAM	1	24	20.99	20.79	21.07						
5	64QAM	12	0	19.71	19.85	19.84						
5	64QAM	12	7	19.90	19.80	19.92	21.5	3				
5	64QAM	12	13	19.77	19.68	19.92						
5	64QAM	25	0	19.70	19.79	19.80						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.75	22.81	22.85	24.5	0				
3	QPSK	1	8	22.82	22.77	22.81						
3	QPSK	1	14	22.77	22.82	22.78						
3	QPSK	8	0	21.76	21.85	21.90	23.5	1				
3	QPSK	8	4	21.80	21.85	21.89						
3	QPSK	8	7	21.77	21.80	21.88						
3	QPSK	15	0	21.76	21.89	21.90	23.5	1				
3	16QAM	1	0	21.83	21.74	22.09						
3	16QAM	1	8	22.22	22.22	21.95						
3	16QAM	1	14	22.11	22.14	22.37	22.5	2				
3	16QAM	8	0	20.72	20.75	21.01						
3	16QAM	8	4	20.83	20.82	20.88						
3	16QAM	8	7	20.84	20.90	20.89	22.5	2				
3	16QAM	15	0	20.75	20.71	20.92						
3	64QAM	1	0	21.03	21.05	20.91						
3	64QAM	1	8	21.14	20.86	20.87	22.5	2				
3	64QAM	1	14	21.01	21.09	20.86						
3	64QAM	8	0	19.65	19.82	20.02						
3	64QAM	8	4	19.73	19.67	19.90	21.5	3				
3	64QAM	8	7	19.78	19.70	19.77						
3	64QAM	15	0	19.76	19.72	19.79						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.75	22.77	22.81	24.5	0				
1.4	QPSK	1	3	22.61	22.63	22.84						
1.4	QPSK	1	5	22.72	22.76	22.83						
1.4	QPSK	3	0	22.78	22.75	22.81	23.5	1				
1.4	QPSK	3	1	22.83	22.76	22.84						
1.4	QPSK	3	3	22.80	22.79	22.80						
1.4	QPSK	6	0	21.77	21.86	21.87	23.5	1				
1.4	16QAM	1	0	22.32	22.27	22.36						
1.4	16QAM	1	3	22.07	22.06	22.38						
1.4	16QAM	1	6	22.20	21.99	22.12	23.5	1				
1.4	16QAM	3	0	21.83	21.93	21.92						
1.4	16QAM	3	1	21.84	21.92	21.85						
1.4	16QAM	3	3	21.72	21.72	21.85	22.5	2				
1.4	16QAM	6	0	20.80	20.83	20.90						
1.4	64QAM	1	0	20.97	20.83	21.20						
1.4	64QAM	1	3	20.98	20.78	21.10	22.5	2				
1.4	64QAM	1	5	20.57	21.09	20.64						
1.4	64QAM	3	0	20.90	20.82	21.01						
1.4	64QAM	3	1	20.82	20.90	21.01	21.5	3				
1.4	64QAM	3	3	20.82	20.88	20.97						
1.4	64QAM	6	0	19.65	19.87	19.83						

Band 5_Ant 41												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.65	22.72	22.79	24.5	0				
10	QPSK	1	25	22.81	22.84	22.82						
10	QPSK	1	49	22.78	22.74	22.67						
10	QPSK	25	0	21.84	21.74	21.77	23.5	1				
10	QPSK	25	12	21.72	21.70	21.78						
10	QPSK	25	25	21.68	21.66	21.63						
10	QPSK	50	0	21.71	21.80	21.76	23.5	1				
10	16QAM	1	0	21.77	21.64	22.08						
10	16QAM	1	25	22.10	22.09	21.92						
10	16QAM	1	49	21.75	22.03	21.84	22.5	2				
10	16QAM	25	0	20.74	20.74	20.63						
10	16QAM	25	12	20.74	20.62	20.68						
10	16QAM	25	25	20.68	20.85	20.56	22.5	2				
10	16QAM	50	0	20.69	20.72	20.78						
10	64QAM	1	0	20.63	20.74	20.67						
10	64QAM	1	25	20.90	20.97	21.06	22.5	2				
10	64QAM	1	49	20.71	21.07	21.00						
10	64QAM	25	0	19.77	19.94	19.93						
10	64QAM	25	12	19.83	19.91	19.95	21.5	3				
10	64QAM	25	25	19.90	19.79	19.81						
10	64QAM	50	0	19.89	19.83	19.90						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.71	22.66	22.78	24.5	0				
5	QPSK	1	12	22.84	22.84	22.68						
5	QPSK	1	24	22.65	22.68	22.78						
5	QPSK	12	0	21.60	21.65	21.86	23.5	1				
5	QPSK	12	7	21.61	21.61	21.75						
5	QPSK	12	13	21.67	21.58	21.66						
5	QPSK	25	0	21.66	21.58	21.68	23.5	1				
5	16QAM	1	0	21.81	21.74	21.88						
5	16QAM	1	12	22.05	21.76	21.84						
5	16QAM	1	24	22.04	21.75	21.83						
5	16QAM	12	0	20.64	20.62	20.73	22.5	2				
5	16QAM	12	7	20.60	20.53	20.69						
5	16QAM	12	13	20.66	20.61	20.67						
5	16QAM	25	0	20.67	20.56	20.71	22.5	2				
5	64QAM	1	0	20.65	20.93	21.01						
5	64QAM	1	12	20.65	20.67	20.91						
5	64QAM	1	24	20.69	20.59	20.70	22.5	2				
5	64QAM	12	0	19.70	19.77	19.80						
5	64QAM	12	7	19.71	19.85	19.87						
5	64QAM	12	13	19.75	19.79	19.88	21.5	3				
5	64QAM	25	0	19.75	19.77	19.92						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.58	22.57	22.67				24.5	0	
3	QPSK	1	8	22.61	22.69	22.67						
3	QPSK	1	14	22.54	22.50	22.65						
3	QPSK	8	0	21.54	21.58	21.65	23.5	1				
3	QPSK	8	4	21.54	21.55	21.60						
3	QPSK	8	7	21.54	21.55	21.63						
3	QPSK	15	0	21.54	21.59	21.64	23.5	1				
3	16QAM	1	0	21.61	22.00	21.77						
3	16QAM	1	8	21.99	22.02	21.98						
3	16QAM	1	14	21.98	21.91	21.94	23.5	1				
3	16QAM	8	0	20.69	20.71	21.06						
3	16QAM	8	4	20.62	20.68	20.74						
3	16QAM	8	7	20.68	20.53	20.61	22.5	2				
3	16QAM	15	0	20.73	20.66	20.68						
3	64QAM	1	0	20.93	20.95	20.75						
3	64QAM	1	8	20.92	20.78	20.61	22.5	2				
3	64QAM	1	14	20.86	20.82	20.51						
3	64QAM	8	0	19.73	19.76	19.85						
3	64QAM	8	4	19.74	19.67	19.88	21.5	3				
3	64QAM	8	7	19.93	19.68	19.80						
3	64QAM	15	0	19.64	19.70	19.67						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.51	22.64	22.59	24.5	0				
1.4	QPSK	1	3	22.53	22.64	22.78						
1.4	QPSK	1	5	22.81	22.76	22.81						
1.4	QPSK	3	0	22.59	22.78	22.81	23.5	1				
1.4	QPSK	3	1	22.84	22.69	22.77						
1.4	QPSK	3	3	22.73	22.67	22.78						
1.4	QPSK	6	0	21.71	21.70	21.79	23.5	1				
1.4	16QAM	1	0	22.17	22.16	22.18						
1.4	16QAM	1	3	22.11	22.17	22.16						
1.4	16QAM	1	6	21.72	21.64	22.23	23.5	1				
1.4	16QAM	3	0	21.68	21.66	21.77						
1.4	16QAM	3	1	21.73	21.74	21.70						
1.4	16QAM	3	3	21.67	21.67	21.83	22.5	2				
1.4	16QAM	6	0	20.75	20.73	20.86						
1.4	64QAM	1	0	20.80	20.64	20.80						
1.4	64QAM	1	3	20.81	20.78	20.80	22.5	2				
1.4	64QAM	1	5	20.58	20.94	20.90						
1.4	64QAM	3	0	20.68	20.85	20.92						
1.4	64QAM	3	1	20.57	20.81	20.79	21.5	3				
1.4	64QAM	3	3	20.58	20.74	20.						

Band 7_Ant 13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				20650	21100	21350				
20	QPSK	1	0	15.99	15.97	15.92	17	0		
20	QPSK	1	49	16.03	16.05	15.97				
20	QPSK	1	99	15.96	16.04	15.94				
20	QPSK	50	0	15.89	15.93	15.88				
20	QPSK	50	24	15.94	15.92	15.96				
20	QPSK	50	50	15.92	15.94	15.90	17	0		
20	QPSK	100	0	15.92	15.95	15.90				
20	16QAM	1	0	15.85	15.90	15.86				
20	16QAM	1	49	15.85	15.99	15.89				
20	16QAM	1	99	15.91	15.95	15.86				
20	16QAM	50	0	15.85	15.86	15.86	17	0		
20	16QAM	50	24	15.89	15.94	15.90				
20	16QAM	50	50	15.89	15.94	15.88				
20	16QAM	100	0	15.85	15.99	15.90				
20	64QAM	1	0	15.93	15.96	15.88				
20	64QAM	1	49	15.88	15.94	15.90	17	0		
20	64QAM	1	99	15.86	15.95	15.88				
20	64QAM	50	0	15.85	16.01	15.92				
20	64QAM	50	24	15.91	15.94	15.86				
20	64QAM	50	50	15.90	15.86	15.90				
20	64QAM	100	0	15.87	16.00	15.86	17	0		
Channel										
Frequency (MHz)				20625	21100	21375				
				2507.5	2505	2502.5				
15	QPSK	1	0	15.92	15.92	15.85	17	0		
15	QPSK	1	37	15.98	15.98	16.02				
15	QPSK	1	74	15.98	15.91	15.92				
15	QPSK	36	0	15.88	15.80	15.92				
15	QPSK	36	20	15.96	15.93	15.99				
15	QPSK	36	39	15.82	15.88	15.83	17	0		
15	QPSK	75	0	15.95	15.94	15.92				
15	16QAM	1	0	15.93	15.91	15.93				
15	16QAM	1	37	15.95	15.89	15.92				
15	16QAM	1	74	15.94	15.89	15.92				
15	16QAM	36	0	15.87	15.92	15.92	17	0		
15	16QAM	36	20	15.93	15.84	15.89				
15	16QAM	36	39	15.85	15.86	15.90				
15	16QAM	75	0	15.97	15.95	15.94				
15	64QAM	1	0	15.96	15.85	15.87				
15	64QAM	1	37	15.81	15.90	15.86	17	0		
15	64QAM	1	74	15.84	15.84	15.81				
15	64QAM	36	0	15.94	15.89	16.00				
15	64QAM	36	20	15.90	15.86	15.89				
15	64QAM	36	39	15.81	15.87	15.92				
15	64QAM	75	0	15.94	15.91	15.98	17	0		
Channel										
Frequency (MHz)				20800	21100	21400				
				2505	2505	2505				
10	QPSK	1	0	15.93	15.87	15.96	17	0		
10	QPSK	1	25	15.96	15.86	15.93				
10	QPSK	1	49	16.02	15.98	15.91				
10	QPSK	25	0	15.91	15.81	15.85				
10	QPSK	25	12	15.99	15.95	15.94				
10	QPSK	25	25	15.90	15.91	15.85	17	0		
10	QPSK	50	0	15.94	15.95	15.97				
10	16QAM	1	0	15.87	15.92	15.97				
10	16QAM	1	25	15.94	15.89	15.86				
10	16QAM	1	49	15.85	15.90	15.91				
10	16QAM	25	0	15.96	15.97	15.96	17	0		
10	16QAM	25	12	15.93	15.92	15.81				
10	16QAM	25	25	15.91	15.87	15.90				
10	16QAM	50	0	15.97	15.90	15.89				
10	64QAM	1	0	15.93	15.96	15.87				
10	64QAM	1	25	15.80	15.89	15.84	17	0		
10	64QAM	1	49	15.90	15.83	15.82				
10	64QAM	25	0	15.95	16.00	15.95				
10	64QAM	25	12	15.85	15.90	15.86				
10	64QAM	25	25	15.96	15.95	15.88				
10	64QAM	50	0	15.99	15.95	15.97	17	0		
Channel										
Frequency (MHz)				20775	21100	21425				
				2502.5	2505	2507.5				
5	QPSK	1	0	15.88	15.94	15.91	17	0		
5	QPSK	1	12	15.97	16.03	15.91				
5	QPSK	1	24	15.91	15.96	15.91				
5	QPSK	12	0	15.87	15.88	15.91				
5	QPSK	12	7	15.96	15.99	15.89				
5	QPSK	12	13	15.84	15.83	15.91	17	0		
5	QPSK	25	0	15.96	15.96	15.95				
5	16QAM	1	0	15.89	15.88	15.97				
5	16QAM	1	12	15.88	15.85	15.87				
5	16QAM	1	24	15.92	15.91	15.84				
5	16QAM	12	0	15.96	15.87	15.93	17	0		
5	16QAM	12	7	15.90	15.88	15.89				
5	16QAM	12	13	15.88	15.92	15.86				
5	16QAM	25	0	15.91	15.91	15.89				
5	64QAM	1	0	15.84	15.87	15.97				
5	64QAM	1	12	15.79	15.81	15.92	17	0		
5	64QAM	1	24	15.81	15.83	15.87				
5	64QAM	12	0	15.92	15.94	15.98				
5	64QAM	12	7	15.92	15.89	15.88				
5	64QAM	12	13	15.96	15.96	15.89				
5	64QAM	25	0	15.90	15.94	15.98	17	0		

Band 7_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				20650	21100	21350			
20	QPSK	1	0	16.96	16.84	16.97	20.5	0	
20	QPSK	1	49	16.00	16.20	16.23			
20	QPSK	1	99	16.97	16.20	16.19			
20	QPSK	50	0	16.86	16.27	16.14			
20	QPSK	50	24	16.94	16.28	16.19			
20	QPSK	50	50	16.86	16.24	16.12	20.5	0	
20	QPSK	100	0	16.88	16.25	16.16			
20	16QAM	1	0	16.86	16.21	16.16			
20	16QAM	1	49	16.92	16.27	16.13			
20	16QAM	1	99	16.91	16.28	16.14			
20	16QAM	50	0	16.93	16.27	16.15	20.5	0	
20	16QAM	50	24	16.93	16.27	16.14			
20	16QAM	50	50	16.93	16.25	16.17			
20	16QAM	100	0	16.96	16.22	16.20			
20	64QAM	1	0	16.96	16.23	16.20			
20	64QAM	1	49	16.96	16.28	16.15	20		

Band 66_Ant 13										Band 66_Ant 31												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)				
Channel										Channel												
Frequency (MHz)										Frequency (MHz)												
20	QPSK	1	0	19.39	19.43	19.31	20.2	0		20	QPSK	1	0	19.39	19.43	19.31	20.7	0				
20	QPSK	1	49	19.40	19.45	19.40																
20	QPSK	1	99	19.39	19.39	19.32																
20	QPSK	50	0	19.34	19.36	19.36																
20	QPSK	50	24	19.30	19.29	19.38	20.2	0		20	QPSK	50	24	19.30	19.29	19.38						
20	QPSK	50	50	19.35	19.40	19.29																
20	QPSK	100	0	19.34	19.37	19.35																
20	16QAM	1	0	19.37	19.41	19.32																
20	16QAM	1	99	19.31	19.41	19.32	20.2	0		20	16QAM	1	99	19.34	19.40	19.32						
20	16QAM	1	99	19.34	19.40	19.36																
20	16QAM	50	0	19.35	19.36	19.34																
20	16QAM	50	24	19.31	19.39	19.32																
20	16QAM	50	50	19.31	19.40	19.29	20.2	0		20	16QAM	50	50	19.36	19.41	19.34						
20	16QAM	100	0	19.32	19.42	19.29																
20	64QAM	1	0	19.37	19.36	19.31																
20	64QAM	1	49	19.32	19.41	19.33																
20	64QAM	1	99	19.36	19.43	19.30	20.2	0		20	64QAM	1	99	19.38	19.42	19.29						
20	64QAM	50	0	19.38	19.41	19.32																
20	64QAM	50	24	19.30	19.41	19.32																
20	64QAM	50	50	19.38	19.37	19.36																
20	64QAM	100	0	19.36	19.36	19.36	20.2	0		20	64QAM	50	50	19.37	19.44	19.33						
Channel										Channel												
Frequency (MHz)										Frequency (MHz)												
15	QPSK	1	0	19.32	19.39	19.42	20.2	0		15	QPSK	1	0	19.41	19.45	19.47	20.7	0				
15	QPSK	1	37	19.46	19.41	19.35																
15	QPSK	1	74	19.38	19.36	19.27																
15	QPSK	36	0	19.35	19.37	19.37																
15	QPSK	36	39	19.44	19.41	19.41	20.2	0		15	QPSK	36	39	19.40	19.36	19.36						
15	QPSK	36	39	19.37	19.29	19.28																
15	QPSK	75	0	19.32	19.32	19.35																
15	16QAM	1	0	19.37	19.28	19.39																
15	16QAM	1	74	19.32	19.37	19.35	20.2	0		15	16QAM	1	74	19.35	19.42	19.43						
15	16QAM	36	0	19.26	19.35	19.26																
15	16QAM	36	20	19.31	19.24	19.28																
15	16QAM	36	39	19.38	19.31	19.31																
15	64QAM	1	0	19.32	19.32	19.41	20.2	0		15	64QAM	1	0	19.40	19.33	19.34						
15	64QAM	75	0	19.41	19.41	19.40																
15	64QAM	1	0	19.31	19.26	19.28																
15	64QAM	1	37	19.36	19.39	19.39																
15	64QAM	1	74	19.32	19.32	19.35	20.2	0		15	64QAM	1	74	19.32	19.32	19.35						
15	64QAM	36	0	19.35	19.36	19.40																
15	64QAM	36	20	19.40	19.34	19.31																
15	64QAM	36	39	19.26	19.25	19.27																
15	64QAM	75	0	19.28	19.33	19.28	20.2	0		15	64QAM	36	39	19.33	19.32	19.32						
Channel										Channel												
Frequency (MHz)										Frequency (MHz)												
10	QPSK	1	0	19.32	19.34	19.34	20.2	0		10	QPSK	1	0	19.36	19.42	19.41	20.7	0				
10	QPSK	1	25	19.44	19.41	19.46																
10	QPSK	1	49	19.30	19.36	19.29																
10	QPSK	25	0	19.34	19.33	19.34																
10	QPSK	25	12	19.39	19.37	19.37	20.2	0		10	QPSK	25	12	19.39	19.37	19.37						
10	QPSK	25	25	19.31	19.35	19.39																
10	QPSK	50	0	19.34	19.34	19.28																
10	16QAM	1	0	19.28	19.37	19.33																
10	16QAM	1	25	19.36	19.40	19.33	20.2	0		10	16QAM	1	25	19.38	19.33	19.38						
10	16QAM	1	49	19.36	19.39	19.30																
10	16QAM	25	0	19.30	19.30	19.26																
10	16QAM	25	12	19.34	19.26	19.27																
10	16QAM	25	25	19.36	19.33	19.39	20.2	0		10	16QAM	25	25	19.35	19.37	19.38						
10	16QAM	50	0	19.33	19.33	19.39																
10	64QAM	1	0	19.33	19.32	19.25																
10	64QAM	1	25	19.39	19.36	19.40																
10	64QAM	1	49	19.34	19.34	19.36	20.2	0		10	64QAM	1	49	19.34	19.38	19.39						
10	64QAM	25	0	19.36	19.37	19.34																
10	64QAM	25	12	19.40	19.36	19.37																
10	64QAM	25	25	19.32	19.31	19.31																
10	64QAM	50	0	19.30	19.31	19.39	20.2	0		10	64QAM	25	25	19.38	19.33	19.33						
Channel										Channel												
Frequency (MHz)										Frequency (MHz)												
5	QPSK	1	0	19.32	19.40	19.37	20.2	0		5	QPSK	1	0	19.38	19.38	19.47	20.7	0				
5	QPSK	1	12	19.38	19.39	19.41																
5	QPSK	1	24	19.27	19.26	19.38																
5	QPSK	12	0	19.33	19.37	19.37																
5	QPSK	12	7	19.40	19.42	19.40	20.2	0		5	QPSK	12	7	19.40	19.37	19.48						
5	QPSK	12	13	19.38	19.33	19.35																
5	QPSK	25	0	19.27	19.29	19.36																
5	16QAM	1	0	19.39	19.39	19.34																
5	16QAM	1	12	19.36	19.32	19.38	20.2	0		5	16QAM	1	0	19.34	19.30	19.34						
5	16QAM	1	24	19.27	19.38	19.31																
5	16QAM	12	0	19.26	19.30	19.29																
5	16QAM	12	7	19.35	19.30	19.25																
5	16QAM	12	13	19.34	19.28	19.31	20.2	0		5	16QAM	12	13	19.40	19.32	19.29						
5	16QAM	25	0	19.39	19.35	19.36																
5	64QAM	1	0	19.31	19.33	19.21																
5	64QAM	1	12	19.38	19.28	19.36																
5	64QAM	1	24	19.42	19.33	19.39	20.2	0		5	64QAM	1	24	19.33	19.29	19.38						
5	64QAM	12	0	19.31	19.35	19.39																
5	64QAM	12	7	19.37	19.34	19.36																
5	64QAM	12	13	19.30	19.27	19.31																
5	64QAM	25	0	19.27	19.25	19.32	20.2	0		5	64QAM	12	13	19.42	19.33	19.32						
Channel										Channel												
Frequency (MHz)										Frequency (MHz)												
3	QPSK	1	0	19.34	19.39	19.30	20.2	0		3	QPSK	1	0	19.46	19.36	19.39	20.7	0				
3	QPSK	1	8	19.35	19.40	19.45																
3	QPSK	1	14	19.30	19.30	19.32																
3	QPSK	8	0	19.36	19.29	19.34																
3	QPSK	8	4	19.36	19.39	19.37	20.2	0		3	QPSK	8	4	19.47	19.39	19.38						
3	QPSK	8	7	19.37	19.36	19.28																
3	QPSK	15	0	19.29	19.31	19.34																
3	16QAM	1	0	19.29	19.33	19.37																
3	16QAM	1	8	19.32	19.40	19.38	20.2	0		3	16QAM	1	8	19.39	19.35	19.32						
3	16QAM	1	14	19.31	19.34	19.26																
3	16QAM	8	0	19.30	19.33	19.34																
3	16QAM	8	4	19.31	19.29	19.25																
3	16QAM	8	7	19.28	19.38	19.30	20.2	0		3	16QAM	8	7	19.29	19.33	19.38						
3	16QAM	15	0	19.41	19.36	19.30																
3	64QAM	1	0	19.32	19.34	19.21																
3	64QAM	1	8	19.28	19.31	19.26																
3	64QAM	1	14	19.31	19.28	19.42	20.2	0		3	64QAM	1	14	19.31	19.27	19.35						
3	64QAM	8	0	19.31	19.31	19.36																
3	64QAM	8	4	19.37	19.39	19.32																
3	64QAM	8	7	19.31	19.29	19.32																
3	64QAM	15	0	19.35	19.32	19.28	20.2	0		3	64QAM	15	0	19.42	19.34	19.33						
Channel										Channel												
Frequency (MHz)										Frequency (MHz)												
1.4	QPSK	1	0	19.39	19.30	19.41	20.2	0		1.4	QPSK	1	0	19.47	19.44	19.43	20.7	0				
1.4	QPSK	1	3	19.38	19.43	19.42																
1.4	QPSK	1	5	19.33	19.36	19.26																
1.4	QPSK	3	0	19.34	19.35	19.27																
1.4	QPSK	3	1	19.36	19.34	19.34	20.2	0		1.4	QPSK	3	0	19.27	19.25	19.36						
1.4	QPSK	3	3	19.38	19.36	19.29																
1.4	QPSK	6	0	19.29	19.33	19.24																
1.4	16QAM	1	0	19.32	19.38	19.40																
1.4	16QAM	1	3	19.33	19.36	19.40	20.2	0		1.4	16QAM	1	3	19.33	19.39	19.35						
1.4	16QAM	1	5	19.29	19.32	19.39																
1.4	16QAM	3	0	19.35	19.26	19.30																
1.4	16QAM	3	1	19.32	19.26	19.31																
1.4	16QAM	3	3	19.36	19.36	19.28	20.2	0		1.4	16QAM	3	1	19.36	19.38	19.35						
1.4	16QAM	6	0	19.29	19.33	19.24																
1.4	16QAM	6	3	19.31	19.31	19.32																
1.4	16QAM	6	5	19.28	19.42	19.41																
1.4	64QAM	3	0	19.34	19.31	19.35	20.2	0		1.4	64QAM	3	0	19.36	19.38	19.30						
1.4	64QAM	3	1	19.31	19.32	19.26																
1.4	64QAM	3	3	19.35	19.36	19.28																
1.4	64QAM	6	0	19.28	19.36	19.39																
1.4	64QAM	6	3	19.28	19.26	19.30	20.2	0		1.4	64QAM	6	3	19.31	19.34	19.33						
1.4	64QAM	6	5	19.26	19.36	19.26																
1.4	64QAM	6	7	19.29	19.36	19.30																
1.4	64QAM	6	9	19.31	19.31	19.32																
1.4	64QAM	6	11	19.28	19.33	19.38	20.2	0		1.4	64QAM	6	11	19.34	19.34	19.34						
1.4	64QAM	6	13	19.30	19.34	19.34																
1.4	64QAM	6	15	19.32	19.30	19.28																
1.4	64QAM	6	17	19.36	19.38	19.30																
1.4	64QAM	6	19	19.38	19.39	19.32	20.2	0		1.4	64QAM	6	19	19.39	19.39	19.39						
1.4	64QAM	6	21	19.34																		



Reduced Power for DSI 5

Band 38_Ant 13										Band 38_Ant 31														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mode Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)		BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mode Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)						
Channel										Channel														
Frequency (MHz)										Frequency (MHz)														
20	QPSK	1	0	18.94	19.01	18.94	19.9	0		20	QPSK	1	0	21.12	21.24	21.18	22.3	0						
20	QPSK	1	49	18.99	19.06	19.03				20	QPSK	1	49	21.20	21.29	21.21								
20	QPSK	1	99	18.92	19.02	18.96				20	QPSK	1	99	21.12	21.24	21.14								
20	QPSK	50	0	18.95	18.96	19.01				20	QPSK	50	0	21.07	21.23	21.10								
20	QPSK	50	24	18.96	19.04	19.02				20	QPSK	50	24	21.11	21.24	21.14								
20	QPSK	50	50	18.92	18.98	18.94	19.9	0		20	QPSK	50	50	21.08	21.18	21.05	22.3	0						
20	QPSK	100	0	18.94	19.01	18.97				20	QPSK	100	0	21.09	21.18	21.13								
20	16QAM	1	0	18.92	19.02	18.93				20	16QAM	1	0	21.08	21.16	21.06								
20	16QAM	1	49	18.91	19.01	18.95				20	16QAM	1	49	21.02	21.21	21.07								
20	16QAM	1	99	18.94	18.96	19.01				20	16QAM	1	99	21.03	21.22	21.12								
20	16QAM	50	0	18.94	19.01	18.95	19.9	0		20	16QAM	50	0	20.99	20.73	20.95	21.8	0.5						
20	16QAM	50	24	18.89	18.99	19.01				20	16QAM	50	24	20.55	20.69	20.55								
20	16QAM	50	50	18.95	18.99	18.96				20	16QAM	50	50	20.60	20.72	20.60								
20	16QAM	100	0	18.88	18.98	18.94				20	16QAM	100	0	20.58	20.72	20.67								
20	64QAM	1	0	18.93	18.97	18.96				20	64QAM	1	0	20.60	20.65	20.57								
20	64QAM	1	49	18.87	19.01	19.00	19.9	0		20	64QAM	1	49	20.84	20.69	20.59	21.8	0.5						
20	64QAM	1	99	18.94	18.95	19.00				20	64QAM	1	99	20.55	20.67	20.60								
20	64QAM	50	0	18.90	19.02	19.01				20	64QAM	50	0	19.56	19.70	19.58								
20	64QAM	50	24	18.88	18.98	18.99				20	64QAM	50	24	19.58	19.73	19.56								
20	64QAM	50	50	18.92	19.01	18.95				20	64QAM	50	50	19.58	19.68	19.56								
20	64QAM	100	0	18.94	18.97	18.97	19.9	0		20	64QAM	100	0	19.55	19.69	19.59	20.8	1.5						
Channel										Channel														
Frequency (MHz)										Frequency (MHz)														
15	QPSK	1	0	18.95	18.88	18.97	19.9	0		15	QPSK	1	0	21.17	21.11	21.22	22.3	0						
15	QPSK	1	37	18.95	18.98	19.03				15	QPSK	1	37	21.25	21.22	21.23								
15	QPSK	1	74	18.94	18.90	18.97				15	QPSK	1	74	21.20	21.20	21.22								
15	QPSK	36	0	18.85	18.88	18.91				15	QPSK	36	0	21.20	21.17	21.11								
15	QPSK	36	39	18.95	18.90	18.91				15	QPSK	36	39	21.15	21.11	21.10								
15	QPSK	36	75	0	18.89	18.91	19.9	0		15	QPSK	36	75	0	21.15	21.11	21.10	22.3	0					
15	16QAM	1	0	19.01	18.99	18.93				15	16QAM	1	0	21.03	21.08	21.05								
15	16QAM	1	37	18.95	18.89	18.96				15	16QAM	1	37	21.10	21.09	21.10								
15	16QAM	1	74	18.85	18.85	18.94				15	16QAM	1	74	21.20	21.09	21.14								
15	16QAM	36	0	19.00	18.92	18.93				15	16QAM	36	0	20.67	20.71	20.67								
15	16QAM	36	39	18.86	18.94	18.93	19.9	0		15	16QAM	36	39	20.69	20.68	20.59	21.8	0.5						
15	16QAM	36	75	0	18.96	18.94				15	16QAM	36	75	0	20.71	20.68			20.60					
15	64QAM	1	0	18.94	18.82	18.93				15	64QAM	1	0	20.56	20.58	20.61								
15	64QAM	1	37	18.95	18.90	18.91				15	64QAM	1	37	20.61	20.57	20.62								
15	64QAM	1	74	18.84	18.81	18.85				15	64QAM	1	74	20.58	20.62	20.64								
15	64QAM	36	0	18.93	18.97	18.99	19.9	0		15	64QAM	36	0	19.60	19.62	19.64	21.8	0.5						
15	64QAM	36	39	18.88	18.86	18.92				15	64QAM	36	39	19.68	19.66	19.62								
15	64QAM	36	75	0	18.90	18.95				15	64QAM	36	75	0	19.67	19.58			19.64					
15	64QAM	75	0	18.87	18.91	18.89				15	64QAM	75	0	19.63	19.62	19.69	20.8		1.5					
Channel										Channel														
Frequency (MHz)										Frequency (MHz)														
10	QPSK	1	0	18.94	18.95	18.96			19.9	0		10	QPSK	1	0	21.21	21.12		21.15	22.3	0			
10	QPSK	1	25	18.99	18.97	19.04		10			QPSK	1	25	21.17	21.17	21.19								
10	QPSK	1	49	18.91	18.96	19.00		10			QPSK	1	49	21.11	21.22	21.11								
10	QPSK	25	0	18.93	18.93	18.96		10			QPSK	25	0	21.19	21.22	21.19								
10	QPSK	25	12	18.99	18.96	18.94		10			QPSK	25	12	21.23	21.19	21.14								
10	QPSK	25	25	18.89	18.97	18.91	19.9	0		10	QPSK	25	25	21.13	21.09	21.11	22.3	0						
10	QPSK	50	0	19.00	18.98	18.99				10	QPSK	50	0	21.16	21.18	21.12								
10	16QAM	1	0	19.01	18.96	18.95				10	16QAM	1	0	21.07	21.12	21.12								
10	16QAM	1	25	18.98	18.99	18.95				10	16QAM	1	25	21.11	21.10	21.18								
10	16QAM	1	49	18.87	18.90	18.92				10	16QAM	1	49	21.13	21.11	21.21								
10	16QAM	25	0	18.92	18.90	19.00	19.9	0		10	16QAM	25	0	20.70	20.70	20.72	21.8	0.5						
10	16QAM	25	12	18.93	18.87	18.87				10	16QAM	25	12	20.68	20.69	20.61								
10	16QAM	25	25	18.91	18.96	18.91				10	16QAM	25	25	20.59	20.68	20.71								
10	16QAM	50	0	18.90	18.87	18.96				10	16QAM	50	0	20.59	20.71	20.60								
10	64QAM	1	0	18.94	18.83	18.91				10	64QAM	1	0	20.59	20.56	20.51								
10	64QAM	1	25	18.87	18.97	18.88	19.9	0		10	64QAM	1	25	20.56	20.66	20.64	21.8	0.5						
10	64QAM	1	49	18.91	18.80	18.90				10	64QAM	1	49	20.60	20.61	20.53								
10	64QAM	25	0	18.97	19.01	18.95				10	64QAM	25	0	19.62	19.67	19.60								
10	64QAM	25	12	18.88	18.91	18.95				10	64QAM	25	12	19.69	19.70	19.71								
10	64QAM	25	25	18.91	19.00	18.95				10	64QAM	25	25	19.62	19.64	19.60								
10	64QAM	50	0	18.95	18.96	18.93	19.9	0		10	64QAM	50	0	19.62	19.65	19.63	20.8	1.5						
Channel										Channel														
Frequency (MHz)			Frequency (MHz)																					
5	QPSK	1	0	18.92	19.00	18.95	19.9	0		5	QPSK	1	0	21.23	21.18	21.17	22.3	0						
5	QPSK	1	12	18.96	19.00	18.98				5	QPSK	1	12	21.21	21.25	21.26								
5	QPSK	12	0	18.95	18.94	18.93				5	QPSK	12	0	21.22	21.21	21.21								
5	QPSK	12	7	19.01	18.96	18.99				5	QPSK	12	7	21.15	21.11	21.17								
5	QPSK	12	13	18.97	18.93	18.94				5	QPSK	12	13	21.06	21.11	21.09								
5	QPSK	25	0	18.93	18.90	18.94	19.9	0		5	QPSK	25	0	21.17	21.07	21.13	22.3	0						
5	16QAM	1	0	18.90	18.95	18.91				5	16QAM	1	0	21.12	21.04	21.06								
5	16QAM	1	12	18.90	18.98	18.94				5	16QAM	1	12	21.16	21.11	21.12								
5	16QAM	1	25	18.95	18.94	18.93				5	16QAM	1	25	21.11	21.11	21.11								
5	16QAM	12	0	18.95	19.00	18.94				5	16QAM	12	0	20.61	20.62	20.71								
5	16QAM	12	7	18.98	18.97	18.98	19.9	0		5	16QAM	12	7	20.63	20.64	20.69	21.8	0.5						
5	16QAM	12	13	18.99	18.96	18.96				5	16QAM	12	13	20.59	20.59	20.61								
5	16QAM	25	0	18.94	18.94	18.97				5	16QAM	25	0	20.62	20.59	20.71								
5	64QAM	1	0	18.82	18.88	18.91				5	64QAM	1	0	20.51	20.63	20.62								
5	64QAM	1	12	18.89	18.89	18.87				5	64QAM	1	12	20.56	20.55	20.56								
5	64QAM	1	25	18.87	18.89	18.94	19.9	0		5	64QAM	1	25	20.49	20.49	20.49	21.8	0.5						
5	64QAM	12	0	18.96	18.92	18.99				5	64QAM	12	0	19.60	19.64	19.60								
5	64QAM	12	7	18.88	18.88	18.86				5	64QAM	12	7	19.63	19.72	19.63								
5	64QAM	12	13	18.90	18.96	18.96				5	64QAM	12	13	19.60	19.68	19.65								
5	64QAM	25	0	18.89	19.04	18.98				5	64QAM	25	0	19.61	19.68	19.62								



Reduced Power for DSI 5

Band 41_Ant 13												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mode Ch. / Freq.	Power Low Mode Ch. / Freq.	Power High Mode Ch. / Freq.	Power High Mode Ch. / Freq.	Power Low Mode Ch. / Freq.	Power High Mode Ch. / Freq.	Turn-up Int. (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2543.5	2543.5	2543.5	2543.5	2543.5				
20	QPSK	1	0	18.92	19.00	19.04	19.00	19.00		19.9	0	
20	QPSK	1	49	19.00	19.07	19.08	19.02	19.04				
20	QPSK	1	99	19.04	19.07	19.06	19.07	19.08				
20	QPSK	50	0	18.94	18.91	19.04	19.08	19.07				
20	QPSK	50	24	18.92	18.94	19.07	19.01	18.98		19.9	0	
20	QPSK	50	50	18.84	18.86	19.01	18.94	18.86				
20	QPSK	100	0	18.91	18.92	19.05	18.94	18.96				
20	16QAM	1	0	18.84	18.83	19.02	18.89	18.85				
20	16QAM	1	49	18.81	18.81	18.95	18.99	18.96		19.9	0	
20	16QAM	1	99	18.80	18.82	19.00	18.96	18.89				
20	16QAM	50	0	18.85	18.93	18.97	18.90	18.87				
20	16QAM	50	24	18.88	18.84	18.98	18.94	18.93				
20	16QAM	50	50	18.81	18.83	18.94	18.97	18.90		19.9	0	
20	16QAM	100	0	18.82	18.84	19.00	18.93	18.91				
20	64QAM	1	0	18.89	18.84	18.95	18.99	18.96				
20	64QAM	1	49	18.83	18.85	19.06	18.91	18.86		19.9	0	
20	64QAM	1	99	18.84	18.82	19.05	18.98	18.95				
20	64QAM	50	0	18.79	18.83	19.01	18.90	18.86				
20	64QAM	50	24	18.82	18.82	18.94	18.88	18.93		19.9	0	
20	64QAM	50	50	18.89	18.89	19.03	18.96	18.93				
20	64QAM	100	0	18.91	18.89	19.05	18.98	18.89				
Channel				39750	40173	40620	41068	41615	Turn-up Int. (dBm)	MPR (dB)		
Frequency (MHz)				2543.5	2543.5	2543.5	2543.5	2543.5				
15	QPSK	1	0	18.91	19.02	18.97	19.03	18.99		19.9	0	
15	QPSK	1	37	19.07	19.07	19.04	19.07	19.06				
15	QPSK	1	74	18.85	18.84	18.89	18.93	18.89				
15	QPSK	36	0	18.91	18.98	18.92	18.94	18.96		19.9	0	
15	QPSK	36	20	18.84	18.94	18.96	18.99	19.02				
15	QPSK	36	39	19.00	18.91	18.88	18.95	18.90				
15	QPSK	76	0	18.97	19.03	18.94	19.04	19.05				
15	16QAM	1	0	18.92	18.97	18.95	18.96	18.96		19.9	0	
15	16QAM	1	37	18.94	18.96	18.97	18.90	18.89				
15	16QAM	1	74	18.97	18.97	18.89	18.96	18.93				
15	16QAM	36	0	18.87	18.95	18.86	18.93	18.85		19.9	0	
15	16QAM	36	20	18.82	18.93	18.86	18.97	18.94				
15	16QAM	36	39	18.94	18.89	18.87	18.97	18.92				
15	16QAM	76	0	18.96	18.97	18.95	18.99	18.93				
15	64QAM	1	0	18.93	18.81	18.94	18.91	18.87		19.9	0	
15	64QAM	1	37	18.83	19.01	18.96	19.05	18.91				
15	64QAM	1	74	18.92	18.91	19.03	18.97	18.97				
15	64QAM	36	0	18.95	18.99	18.91	18.95	18.98				
15	64QAM	36	20	18.86	18.91	18.85	18.97	18.96		19.9	0	
15	64QAM	36	39	18.93	19.02	19.01	19.00	19.02				
15	64QAM	76	0	19.01	18.99	19.04	18.96	18.97				
Channel				39750	40160	40620	41080	41540	Turn-up Int. (dBm)	MPR (dB)		
Frequency (MHz)				2543.5	2547	2553	2559	2565				
10	QPSK	1	0	18.97	18.98	19.01	18.96	18.92		19.9	0	
10	QPSK	1	25	19.06	19.06	19.04	19.06	19.07				
10	QPSK	1	49	18.86	18.83	18.86	18.89	18.90				
10	QPSK	25	0	19.02	18.97	18.95	18.91	19.03		19.9	0	
10	QPSK	25	12	19.00	19.06	19.05	19.03	19.02				
10	QPSK	25	25	19.00	18.99	19.00	18.90	19.00				
10	QPSK	50	0	18.99	19.02	18.98	18.99	19.00				
10	16QAM	1	0	18.96	19.00	19.01	18.92	18.93		19.9	0	
10	16QAM	1	25	18.94	18.83	18.90	18.91	18.84				
10	16QAM	1	49	18.95	18.91	18.92	18.95	18.98				
10	16QAM	25	0	18.95	18.96	18.87	18.84	18.91				
10	16QAM	25	12	18.89	18.86	18.90	18.96	18.96		19.9	0	
10	16QAM	25	25	18.82	18.93	18.90	18.81	18.90				
10	16QAM	50	0	18.93	18.97	18.96	18.90	18.92				
10	64QAM	1	0	18.87	18.83	18.92	18.88	18.85		19.9	0	
10	64QAM	1	25	19.01	19.00	18.93	19.00	19.04				
10	64QAM	1	49	18.92	18.93	18.95	18.93	18.92				
10	64QAM	25	0	18.92	18.95	18.93	18.94	18.96				
10	64QAM	25	12	18.85	18.93	18.85	18.91	18.91		19.9	0	
10	64QAM	25	25	18.98	18.98	18.95	19.01	18.97				
10	64QAM	50	0	19.03	19.04	18.95	18.97	19.01				
Channel				3467.5	40146	40626	41093	41565	Turn-up Int. (dBm)	MPR (dB)		
Frequency (MHz)				2468.5	2468.5	2468.5	2468.5	2467.5				
5	QPSK	1	0	18.99	18.91	18.91	18.95	19.00		19.9	0	
5	QPSK	1	12	19.06	18.99	18.99	18.97	19.06				
5	QPSK	1	24	18.90	18.86	18.94	18.95	18.92				
5	QPSK	12	0	19.02	18.98	18.96	19.00	19.03		19.9	0	
5	QPSK	12	7	18.99	18.96	18.95	18.99	18.97				
5	QPSK	12	13	18.91	18.92	18.89	18.95	18.89				
5	QPSK	25	0	19.02	18.96	19.00	18.97	18.96				
5	16QAM	1	0	18.93	18.97	18.98	18.90	18.90		19.9	0	
5	16QAM	1	12	18.86	18.94	18.94	18.88	18.86				
5	16QAM	1	24	18.91	18.90	18.88	18.97	18.87				
5	16QAM	12	0	18.95	18.95	18.84	18.84	18.89		19.9	0	
5	16QAM	12	7	18.94	18.96	18.85	18.89	18.92				
5	16QAM	12	13	18.90	18.89	18.86	18.85	18.93				
5	16QAM	25	0	18.94	18.95	18.94	18.96	18.88				
5	64QAM	1	0	18.87	18.82	18.93	18.88	18.93		19.9	0	
5	64QAM	1	12	18.93	19.00	19.03	18.96	18.86				
5	64QAM	1	24	18.94	19.00	18.90	18.95	19.00				
5	64QAM	12	0	18.91	18.92	19.00	18.93	18.93		19.9	0	
5	64QAM	12	7	18.88	18.92	18.87	18.88	18.85				
5	64QAM	12	13	19.00	19.02	19.02	18.93	18.99				
5	64QAM	25	0	19.03	19.01	18.96	18.96	18.95				

Band 41_Ant 31												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mode Ch. / Freq.	Power Low Mode Ch. / Freq.	Power High Mode Ch. / Freq.	Power High Mode Ch. / Freq.	Power Low Mode Ch. / Freq.	Power High Mode Ch. / Freq.	Turn-up Int. (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2543.5	2543.5	2543.5	2543.5	2543.5				
20	QPSK	1	0	20.88	20.85	20.95	20.82	20.85		22.3	0	
20	QPSK	1	49	20.91	20.83	20.96	20.93	20.84				
20	QPSK	1	99	20.83	20.81	20.82	20.89	20.84				
20	QPSK	50	0	20.83	20.79	20.91	20.73	20.87				
20	QPSK	50	24	20.90	20.83	20.94	20.82	20.88		22.3	0	
20	QPSK	50	50	20.89	20.74	20.88	20.72	20.82				
20	QPSK	100	0	20.82	20.78	20.83	20.75	20.79				
20	16QAM	1	0	20.83	20.77	20.83	20.80	20.76		22.3	0	
20	16QAM	1	49	20.86	20.71	20.89	20.70	20.86				
20	16QAM	1	99	20.83	20.82	20.89	20.81	20.76				
20	16QAM	50	0	20.32	20.31	20.38	20.19	20.36				
20	16QAM	50	24	20.28	20.22	20.37	20.22	20.25		21.8	0.5	
20	16QAM	50	50	20.36	20.32	20.36	20.23	20.25				
20	16QAM	100	0	20.32	20.22	20.35	20.20	20.26				
20	64QAM	1	0	20.38	20.25	20.40	20.21	20.28				
20	64QAM	1	49	20.28	20.29	20.38	20.28	20.28		21.8	0.5	
20	64QAM	1	99	20.31	20.29	20.35	20.20	20.26				
20	64QAM	50	0	19.30	19.22	19.42	19.28	19.29				
20	64QAM	50	24	19.29	19.28	19.39	19.26	19.32		20.8	1.5	
20	64QAM	50	50	19.28	19.22	19.42	19					

Band 2_Ant 13										Band 2_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel										Channel									
Frequency (MHz)				18700	18800	19100				Frequency (MHz)				18700	18800	19100			
20	QPSK	1	0	15.56	15.52	15.52	16.5	0		20	QPSK	1	0	16.38	16.47	16.37	17.5	0	
20	QPSK	1	49	15.57	15.58	15.53					20	QPSK	1	49	16.42	16.49			16.45
20	QPSK	1	99	15.56	15.54	15.50					20	QPSK	1	99	16.34	16.47			16.43
20	QPSK	50	0	15.47	15.49	15.46					20	QPSK	50	0	16.31	16.32			16.33
20	QPSK	50	24	15.50	15.45	15.44	16.5	0		20	QPSK	50	24	16.31	16.43	16.37	17.5	0	
20	QPSK	50	50	15.45	15.49	15.43					20	QPSK	50	50	16.35	16.38			16.35
20	QPSK	100	0	15.43	15.50	15.39					20	QPSK	100	0	16.35	16.37			16.29
20	16QAM	1	0	15.41	15.45	15.47					20	16QAM	1	0	16.36	16.46			16.36
20	16QAM	1	49	15.46	15.51	15.46	16.5	0		20	16QAM	1	49	16.47	16.37	16.39	17.5	0	
20	16QAM	1	99	15.50	15.44	15.46					20	16QAM	1	99	16.40	16.41			16.44
20	16QAM	50	0	15.37	15.40	15.36					20	16QAM	50	0	16.29	16.24			16.30
20	16QAM	50	24	15.43	15.49	15.44					20	16QAM	50	24	16.32	16.34			16.29
20	16QAM	50	50	15.48	15.42	15.43	16.5	0		20	16QAM	50	50	16.32	16.34	16.25	17.5	0	
20	16QAM	100	0	15.39	15.45	15.45					20	16QAM	100	0	16.33	16.30			16.32
20	64QAM	1	0	15.51	15.41	15.45					20	64QAM	1	0	16.38	16.39			16.40
20	64QAM	1	49	15.46	15.45	15.49					20	64QAM	1	49	16.35	16.36			16.37
20	64QAM	1	99	15.49	15.42	15.46	16.5	0		20	64QAM	1	99	16.39	16.44	16.40	17.5	0	
20	64QAM	50	0	15.39	15.36	15.43					20	64QAM	50	0	16.31	16.19			16.23
20	64QAM	50	24	15.42	15.42	15.53					20	64QAM	50	24	16.33	16.31			16.38
20	64QAM	50	50	15.38	15.47	15.37					20	64QAM	50	50	16.35	16.34			16.31
20	64QAM	100	0	15.38	15.38	15.44	16.5	0		20	64QAM	100	0	16.33	16.25	16.24	17.5	0	
Channel										Channel									
Frequency (MHz)				18975	18900	19125	Turn-up limit (dBm)	MPR (dB)		Frequency (MHz)				18975	18900	19125	Turn-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	15.40	15.45	15.51	16.5	0		15	QPSK	1	0	16.39	16.42	16.35	17.5	0	
15	QPSK	1	37	15.50	15.48	15.55					15	QPSK	1	37	16.37	16.40			16.39
15	QPSK	1	74	15.53	15.49	15.51					15	QPSK	1	74	16.40	16.45			16.34
15	QPSK	36	0	15.41	15.36	15.42					15	QPSK	36	0	16.19	16.28			16.20
15	QPSK	36	39	15.52	15.41	15.49	16.5	0		15	QPSK	36	39	16.33	16.26	16.28	17.5	0	
15	QPSK	36	39	15.41	15.37	15.38					15	QPSK	36	39	16.37	16.25			16.33
15	QPSK	75	0	15.41	15.37	15.41					15	QPSK	75	0	16.27	16.26			16.28
15	16QAM	1	0	15.39	15.33	15.39					15	16QAM	1	0	16.36	16.41			16.41
15	16QAM	1	37	15.42	15.45	15.48	16.5	0		15	16QAM	1	37	16.35	16.29	16.31	17.5	0	
15	16QAM	1	74	15.35	15.40	15.43					15	16QAM	1	74	16.39	16.35			16.40
15	16QAM	36	0	15.30	15.27	15.37					15	16QAM	36	0	16.23	16.22			16.22
15	16QAM	36	20	15.32	15.37	15.42					15	16QAM	36	20	16.19	16.23			16.20
15	16QAM	36	39	15.33	15.38	15.38	16.5	0		15	16QAM	36	39	16.32	16.29	16.30	17.5	0	
15	16QAM	75	0	15.42	15.35	15.37					15	16QAM	75	0	16.18	16.24			16.22
15	64QAM	1	0	15.38	15.34	15.39					15	64QAM	1	0	16.38	16.33			16.24
15	64QAM	1	37	15.34	15.40	15.33					15	64QAM	1	37	16.29	16.37			16.26
15	64QAM	1	74	15.32	15.37	15.33	16.5	0		15	64QAM	1	74	16.32	16.28	16.32	17.5	0	
15	64QAM	36	0	15.30	15.29	15.35					15	64QAM	36	0	16.13	16.10			16.17
15	64QAM	36	20	15.40	15.36	15.40					15	64QAM	36	20	16.27	16.22			16.30
15	64QAM	36	39	15.43	15.41	15.39					15	64QAM	36	39	16.27	16.28			16.24
15	64QAM	75	0	15.34	15.38	15.34	16.5	0		15	64QAM	75	0	16.25	16.21	16.27	17.5	0	
Channel										Channel									
Frequency (MHz)				18850	18800	19150	Turn-up limit (dBm)	MPR (dB)		Frequency (MHz)				18850	18800	19150	Turn-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	15.41	15.51	15.51	16.5	0		10	QPSK	1	0	16.42	16.35	16.40	17.5	0	
10	QPSK	1	25	15.52	15.55	15.46					10	QPSK	1	25	16.43	16.48			16.38
10	QPSK	1	49	15.51	15.47	15.41					10	QPSK	1	49	16.43	16.44			16.40
10	QPSK	25	0	15.40	15.47	15.37					10	QPSK	25	0	16.28	16.31			16.23
10	QPSK	25	12	15.43	15.45	15.43	16.5	0		10	QPSK	25	12	16.32	16.33	16.28	17.5	0	
10	QPSK	25	25	15.40	15.37	15.46					10	QPSK	25	25	16.29	16.29			16.29
10	QPSK	50	0	15.45	15.47	15.41					10	QPSK	50	0	16.25	16.25			16.27
10	16QAM	1	0	15.39	15.32	15.39					10	16QAM	1	0	16.42	16.44			16.35
10	16QAM	1	25	15.45	15.45	15.44	16.5	0		10	16QAM	1	25	16.24	16.36	16.35	17.5	0	
10	16QAM	1	49	15.37	15.41	15.31					10	16QAM	1	49	16.33	16.33			16.33
10	16QAM	25	0	15.38	15.31	15.31					10	16QAM	25	0	16.12	16.17			16.12
10	16QAM	25	12	15.40	15.36	15.44					10	16QAM	25	12	16.22	16.23			16.18
10	16QAM	25	25	15.33	15.31	15.37	16.5	0		10	16QAM	25	25	16.24	16.27	16.30	17.5	0	
10	16QAM	50	0	15.38	15.34	15.33					10	16QAM	50	0	16.30	16.27			16.27
10	64QAM	1	0	15.30	15.34	15.35					10	64QAM	1	0	16.30	16.29			16.25
10	64QAM	1	25	15.30	15.38	15.40					10	64QAM	1	25	16.30	16.34			16.31
10	64QAM	1	49	15.31	15.38	15.35	16.5	0		10	64QAM	1	49	16.38	16.43	16.38	17.5	0	
10	64QAM	25	0	15.26	15.29	15.31					10	64QAM	25	0	16.17	16.17			16.14
10	64QAM	25	12	15.32	15.35	15.40					10	64QAM	25	12	16.22	16.26			16.21
10	64QAM	25	25	15.40	15.37	15.44					10	64QAM	25	25	16.26	16.26			16.24
10	64QAM	50	0	15.37	15.37	15.34	16.5	0		10	64QAM	50	0	16.24	16.22	16.17	17.5	0	
Channel										Channel									
Frequency (MHz)				18825	18800	19075	Turn-up limit (dBm)	MPR (dB)		Frequency (MHz)				18825	18800	19075	Turn-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	15.51	15.39	15.44	16.5	0		5	QPSK	1	0	16.41	16.43	16.38	17.5	0	
5	QPSK	1	12	15.48	15.48	15.46					5	QPSK	1	12	16.38	16.41			16.36
5	QPSK	1	24	15.45	15.48	15.50					5	QPSK	1	24	16.40	16.37			16.35
5	QPSK	12	0	15.38	15.37	15.44					5	QPSK	12	0	16.24	16.29			16.25
5	QPSK	12	7	15.48	15.53	15.53	16.5	0		5	QPSK	12	7	16.28	16.29	16.36	17.5	0	
5	QPSK	12	13	15.46	15.48	15.41					5	QPSK	12	13	16.28	16.29			16.36
5	QPSK	25	0	15.40	15.37	15.43					5	QPSK	25	0	16.30	16.33			16.30
5	16QAM	1	0	15.43	15.43	15.41					5	16QAM	1	0	16.45	16.34			16.38
5	16QAM	1	12	15.42	15.45	15.40	16.5	0		5	16QAM	1	12	16.31	16.27	16.29	17.5	0	
5	16QAM	1	24	15.39	15.39	15.36					5	16QAM	1	24	16.36	16.38			16.32
5	16QAM	12	0	15.30	15.38	15.38					5	16QAM	12	0	16.30	16.36			16.35
5	16QAM	12	7	15.37	15.41	15.38					5	16QAM	12	7	16.18	16.21			16.25
5	16QAM	12	13	15.38	15.29	15.33	16.5	0		5	16QAM	12	13	16.25	16.29	16.33	17.5	0	
5	16QAM	25	0	15.40	15.42	15.36					5	16QAM	25	0	16.20	16.20			16.23
5	64QAM	1	0	15.26	15.40	15.27					5	64QAM	1	0	16.30	16.36			16.36
5	64QAM	1	12	15.34	15.42	15.41					5	64QAM	1	12	16.34	16.31			16.36
5	64QAM	1	24	15.38	15.33	15.41	16.5	0		5	64QAM	1	24	16.33	16.32	16.40	17.5	0	
5	64QAM	12	0	15.29	15.32	15.31					5	64QAM	12	0	16.10	16.13			16.11
5	64QAM	12	7	15.34	15.34	15.37					5	64QAM	12	7	16.21	16.28			16.29
5</																			

Band 4_Ant 13									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				20050	20175	20300			
20	QPSK	1	0	16.37	16.40	16.35			
20	QPSK	1	49	16.43	16.45	16.44	17.5	0	
20	QPSK	1	99	16.35	16.42	16.40			
20	QPSK	50	0	16.30	16.38	16.31			
20	QPSK	50	24	16.34	16.37	16.36	17.5	0	
20	QPSK	50	50	16.32	16.37	16.37			
20	QPSK	100	0	16.33	16.41	16.29			
20	16QAM	1	0	16.31	16.36	16.32			
20	16QAM	1	49	16.36	16.39	16.37	17.5	0	
20	16QAM	1	99	16.34	16.40	16.40			
20	16QAM	50	0	16.30	16.35	16.34			
20	16QAM	50	24	16.34	16.40	16.36	17.5	0	
20	16QAM	50	50	16.34	16.24	16.33			
20	16QAM	100	0	16.37	16.32	16.38			
20	64QAM	1	0	16.35	16.38	16.36			
20	64QAM	1	49	16.38	16.39	16.44	17.5	0	
20	64QAM	1	99	16.40	16.38	16.41			
20	64QAM	50	0	16.30	16.38	16.33			
20	64QAM	50	24	16.41	16.31	16.42	17.5	0	
20	64QAM	50	50	16.35	16.31	16.26			
20	64QAM	100	0	16.40	16.34	16.33			
Channel									
Frequency (MHz)				20025	20175	20325	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	16.27	16.36	16.31	17.5	0	
15	QPSK	1	37	16.40	16.40	16.36			
15	QPSK	1	74	16.29	16.31	16.40			
15	QPSK	36	0	16.28	16.33	16.31			
15	QPSK	36	39	16.31	16.32	16.40	17.5	0	
15	QPSK	36	79	16.25	16.34	16.32			
15	QPSK	79	0	16.35	16.30	16.37			
15	16QAM	1	0	16.27	16.30	16.24	17.5	0	
15	16QAM	1	37	16.30	16.27	16.31			
15	16QAM	1	74	16.39	16.31	16.30			
15	16QAM	36	0	16.34	16.28	16.25			
15	16QAM	36	39	16.37	16.40	16.32	17.5	0	
15	16QAM	36	79	16.22	16.21	16.15			
15	16QAM	79	0	16.28	16.20	16.20			
15	64QAM	1	0	16.32	16.28	16.30	17.5	0	
15	64QAM	1	37	16.24	16.31	16.33			
15	64QAM	1	74	16.25	16.25	16.24			
15	64QAM	36	0	16.32	16.32	16.34			
15	64QAM	36	39	16.26	16.21	16.25	17.5	0	
15	64QAM	36	79	16.24	16.28	16.22			
15	64QAM	79	0	16.32	16.28	16.29			
Channel									
Frequency (MHz)				20000	20175	20350	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	16.33	16.28	16.37	17.5	0	
10	QPSK	1	39	16.45	16.38	16.44			
10	QPSK	1	49	16.34	16.32	16.32			
10	QPSK	25	0	16.38	16.36	16.28			
10	QPSK	25	12	16.40	16.37	16.32	17.5	0	
10	QPSK	25	25	16.30	16.31	16.31			
10	QPSK	50	0	16.28	16.34	16.28			
10	16QAM	1	0	16.30	16.30	16.31	17.5	0	
10	16QAM	1	25	16.26	16.23	16.27			
10	16QAM	1	49	16.34	16.27	16.31			
10	16QAM	25	0	16.24	16.31	16.22			
10	16QAM	25	12	16.34	16.33	16.35	17.5	0	
10	16QAM	25	25	16.17	16.12	16.11			
10	16QAM	50	0	16.23	16.24	16.30			
10	64QAM	1	0	16.24	16.36	16.30			
10	64QAM	1	25	16.34	16.33	16.37	17.5	0	
10	64QAM	1	49	16.31	16.25	16.27			
10	64QAM	25	0	16.28	16.35	16.35			
10	64QAM	25	12	16.28	16.26	16.25	17.5	0	
10	64QAM	25	25	16.28	16.30	16.28			
10	64QAM	50	0	16.33	16.28	16.28			
Channel									
Frequency (MHz)				1712.5	1732.5	1752.5	Turn-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	16.29	16.39	16.31	17.5	0	
5	QPSK	1	12	16.47	16.37	16.42			
5	QPSK	1	24	16.41	16.35	16.33			
5	QPSK	12	0	16.33	16.28	16.35	17.5	0	
5	QPSK	12	7	16.30	16.35	16.41			
5	QPSK	12	13	16.36	16.35	16.32			
5	QPSK	25	0	16.30	16.36	16.33			
5	16QAM	1	0	16.23	16.23	16.23	17.5	0	
5	16QAM	1	12	16.28	16.26	16.32			
5	16QAM	1	24	16.33	16.34	16.30			
5	16QAM	12	0	16.24	16.22	16.32	17.5	0	
5	16QAM	12	7	16.29	16.29	16.39			
5	16QAM	12	13	16.16	16.13	16.15			
5	16QAM	25	0	16.29	16.27	16.21			
5	64QAM	1	0	16.36	16.23	16.33	17.5	0	
5	64QAM	1	12	16.28	16.29	16.37			
5	64QAM	1	24	16.24	16.33	16.32			
5	64QAM	12	0	16.33	16.28	16.28	17.5	0	
5	64QAM	12	7	16.24	16.28	16.28			
5	64QAM	12	13	16.24	16.28	16.27			
5	64QAM	25	0	16.26	16.27	16.30			
Channel									
Frequency (MHz)				1711.5	1732.5	1753.5	Turn-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	16.39	16.27	16.34	17.5	0	
3	QPSK	1	8	16.37	16.44	16.41			
3	QPSK	1	14	16.38	16.38	16.30			
3	QPSK	8	0	16.36	16.37	16.38	17.5	0	
3	QPSK	8	4	16.35	16.37	16.30			
3	QPSK	8	7	16.32	16.24	16.35			
3	QPSK	15	0	16.29	16.28	16.30			
3	16QAM	1	0	16.25	16.23	16.31	17.5	0	
3	16QAM	1	8	16.29	16.24	16.34			
3	16QAM	1	14	16.32	16.35	16.31			
3	16QAM	8	0	16.32	16.30	16.27	17.5	0	
3	16QAM	8	4	16.41	16.32	16.29			
3	16QAM	8	7	16.11	16.10	16.18			
3	16QAM	15	0	16.27	16.18	16.29			
3	64QAM	1	0	16.34	16.26	16.28	17.5	0	
3	64QAM	1	8	16.37	16.25	16.26			
3	64QAM	1	14	16.35	16.36	16.26			
3	64QAM	8	0	16.32	16.39	16.36	17.5	0	
3	64QAM	8	4	16.25	16.20	16.25			
3	64QAM	8	7	16.27	16.25	16.30			
3	64QAM	15	0	16.31	16.31	16.24			
Channel									
Frequency (MHz)				1710.7	1732.5	1754.3	Turn-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	16.37	16.34	16.31	17.5	0	
1.4	QPSK	1	3	16.41	16.40	16.38			
1.4	QPSK	1	5	16.40	16.31	16.38			
1.4	QPSK	3	0	16.37	16.36	16.33			
1.4	QPSK	3	1	16.40	16.41	16.37			
1.4	QPSK	3	3	16.30	16.24	16.27	17.5	0	
1.4	16QAM	1	0	16.26	16.30	16.22			
1.4	16QAM	1	3	16.33	16.27	16.27			
1.4	16QAM	1	5	16.35	16.28	16.37	17.5	0	
1.4	16QAM	3	0	16.29	16.23	16.24			
1.4	16QAM	3	1	16.30	16.41	16.30			
1.4	16QAM	3	3	16.21	16.20	16.19			
1.4	16QAM	5	0	16.27	16.20	16.26	17.5	0	
1.4	64QAM	1	0	16.36	16.24	16.36			
1.4	64QAM	1	3	16.28	16.36	16.37			
1.4	64QAM	1	5	16.34	16.36	16.27	17.5	0	
1.4	64QAM	3	0	16.36	16.29	16.35			
1.4	64QAM	3	1	16.23	16.27	16.29			
1.4	64QAM	3	3	16.22	16.30	16.23			
1.4	64QAM	5	0	16.28	16.26	16.32	17.5	0	

Band 4_Ant 31									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel									
Channel				20050	20175	20300			
Frequency (MHz)				16717.5	17325.5	17475.5			
20	QPSK	1	0	16.77	16.82	16.76			
20	QPSK	1	49	16.83	16.85	16.81	18	0	
20	QPSK	1	99	16.78	16.77	16.78			
20	QPSK	50	0	16.72	16.74	16.72			
20	QPSK	50	24	16.75	16.82	16.75	18	0	
20	QPSK	50	50	16.69	16.80	16.71			
20	QPSK	100	0	16.74	16.78	16.74			
20	16QAM	1	0	16.72	16.76	16.76			
20	16QAM	1	49	16.71	16.81	16.71	18	0	
20	16QAM	1	99	16.70	16.73	16.71			
20	16QAM	50	0	16.74	16.78	16.74			
20	16QAM	50	24	16.69	16.76	16.69	18	0	
20	16QAM	50	50	16.68	16.76	16.68			
20	16QAM	100	0	16.74	16.80	16.69			
20	16QAM	1	0	16.71	16.81	16.71			
20	16QAM	1	49	16.68	16.78	16.67	18	0	
20	16QAM	1	99	16.74	16.73	16.71			
20	16QAM	50	0	16.71	16.74	16.71			
20	16QAM	50	24	16.73	16.77	16.67			
20	16QAM	50	50	16.74	16.79	16.68			
20	16QAM	100	0	16.67	16.81	16.70			
Channel				1717.5	17325.5	17475.5			
Frequency (MHz)				16717.5	17325.5	17475.5			
15	QPSK	1	0	16.76	16.76	16.73			
15	QPSK	1	37	16.83	16.78	16.73	18	0	
15	QPSK	1	74	16.68	16.68	16.68			
15	QPSK	36	0	16.70	16.72	16.62			
15	QPSK	36	20	16.79	16.78	16.70			
15	QPSK	36	36	16.76	16.71	16.69			
15	QPSK	75	0	16.67	16.76	16.77			
15	16QAM	1	0	16.69	16.68	16.77			
15	16QAM	1	37	16.69	16.80	16.75	18	0	
15	16QAM	1	74	16.71	16.71	16.66			
15	16QAM	36	0	16.67	16.67	16.71			
15	16QAM	36	20	16.68	16.71	16.70			
15	16QAM	36	36	16.68	16.71	16.75			
15	16QAM	75	0	16.67	16.68	16.68			
15	16QAM	1	0	16.64	16.68	16.64			
15	16QAM	1	37	16.63	16.69	16.66	18	0	
15	16QAM	1	74	16.66	16.69	16.62			
15	16QAM	36	0	16.70	16.71	16.72			
15	16QAM	36	20	16.73	16.75	16.73			
15	16QAM	36	36	16.74	16.78	16.72			
15	16QAM	75	0	16.67	16.67	16.67			
15	16QAM	1	0	16.63	16.68	16.63	18	0	
Channel				1717.5	17325.5	1750			
Frequency (MHz)				1717.5	17325.5	1750			
10	QPSK	1	0	16.69	16.72	16.71			
10	QPSK	1	25	16.74	16.76	16.73	18	0	
10	QPSK	1	50	16.70	16.70	16.68			
10	QPSK	25	0	16.70	16.69	16.67			
10	QPSK	25	12	16.72	16.70	16.67	18	0	
10	QPSK	25	25	16.75	16.74	16.71			
10	QPSK	50	0	16.71	16.77	16.75			
10	16QAM	1	0	16.67	16.78	16.74			
10	16QAM	1	25	16.69	16.72	16.67			
10	16QAM	1	48	16.71	16.60	16.72			
10	16QAM	25	0	16.67	16.67	16.67			
10	16QAM	25	12	16.73	16.67	16.65			
10	16QAM	25	25	16.64	16.67	16.64			
10	16QAM	50	0	16.70	16.78	16.70			
10	16QAM	1	0	16.76	16.79	16.72			
10	16QAM	1	25	16.63	16.68	16.68	18	0	
10	16QAM	1	48	16.72	16.67	16.63			
10	16QAM	25	0	16.64	16.64	16.64			
10	16QAM	25	12	16.68	16.73	16.74			
10	16QAM	25	25	16.76	16.78	16.72			
10	16QAM	50	0	16.77	16.73	16.80			
Channel				1712.5	17325.5	1752.5			
Frequency (MHz)				1712.5	17325.5	1752.5			
5	QPSK	1	0	16.78	16.75	16.75			
5	QPSK	1	12	16.79	16.83	16.80	18	0	
5	QPSK	1	24	16.74	16.74	16.74			
5	QPSK	12	0	16.68	16.62	16.61			
5	QPSK	12	7	16.75	16.80	16.71			
5	QPSK	12	13	16.73	16.67	16.75			
5	QPSK	12	25	16.68	16.68	16.69			
5	16QAM	1	0	16.69	16.80	16.75			
5	16QAM	1	12	16.69	16.80	16.79			
5	16QAM	1	24	16.74	16.68	16.68			
5	16QAM	12	0	16.65	16.69	16.62			
5	16QAM	12	7	16.74	16.68	16.75	18	0	
5	16QAM	12	13	16.74	16.68	16.66			
5	16QAM	12	25	16.77	16.77	16.79			
5	16QAM	1	0	16.71	16.67	16.73			
5	16QAM	1	12	16.76	16.67	16.64			
5	16QAM	1	24	16.68	16.62	16.66			
5	16QAM	12	0	16.71	16.72	16.72			
5	16QAM	12	7	16.70	16.70	16.70			
5	16QAM	12	13	16.71	16.73	16.70			
5	16QAM	12	25	16.76	16.80	16.79			
Channel				1711.5	17325.5	1753.5			
Frequency (MHz)				1711.5	17325.5	1753.5			
3	QPSK	1	0	16.76	16.80	16.76			
3	QPSK	1	8	16.71	16.83	16.82	18	0	
3	QPSK	1	16	16.78	16.69	16.65			
3	QPSK	8	0	16.69	16.67	16.66			
3	QPSK	8	4	16.71	16.80	16.71			
3	16QAM	1	0	16.68	16.80	16.68			
3	16QAM	1	8	16.74	16.76	16.76			
3	16QAM	1	16	16.72	16.64	16.72			
3	16QAM	8	0	16.63	16.82	16.73			
3	16QAM	8	4	16.72	16.68	16.73			
3	16QAM	8	7	16.71	16.66	16.73			
3	16QAM	15	0	16.73	16.75	16.68			
3	16QAM	1	0	16.73	16.74	16.65			
3	16QAM	1	8	16.72	16.72	16.73			
3	16QAM	1	16	16.68	16.80	16.75			
3	16QAM	8	0	16.65	16.77	16.68			
3	16QAM	8	4	16.76	16.70	16.72	18	0	
3	16QAM	8	7	16.74	16.70	16.74			
3	16QAM	15	0	16.71	16.77	16.74			
Channel				1995 <th>1975.5</th> <th>20350</th> <th></th> <th></th> <th></th>	1975.5	20350			
Frequency (MHz)				1710.7	17325.5	1754.3			
1.4	QPSK	1	0	16.75	16.76	16.73			
1.4	QPSK	1	3	16.74	16.82	16.78	18	0	
1.4	QPSK	1	6	16.74	16.72	16.71			
1.4	QPSK	3	0	16.71	16.64	16.70			
1.4	QPSK	3	1	16.74	16.74	16.72			
1.4	QPSK	3	6	16.71	16.71	16.68	18	0	
1.4	16QAM	1	0	16.66	16.68	16.75			
1.4	16QAM	1	3	16.72	16.73	16.74			
1.4	16QAM	1	6	16.64	16.62	16.65			
1.4	16QAM	3	0	16.62	16.71	16.68			
1.4	16QAM	3	1	16.67	16.65	16.73			
1.4	16QAM	3	6	16.71	16.71	16.71			
1.4	16QAM	1	0	16.71	16.77	16.76	18	0	
1.4	16QAM	1	3	16.67	16.68	16.73			
1.4	16QAM	1	6	16.67	16.64	16.68			
1.4	16QAM	3	0	16.73	16.67	16.71			
1.4	16QAM	3	1	16.67	16.68	16.71			
1.4	16QAM	3	6	16.77	16.69	16.77	18	0	

Band 5_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.55	22.55	22.51	24	0	
10	QPSK	1	25	22.56	22.55	22.52			
10	QPSK	1	49	22.51	22.56	22.57			
10	QPSK	25	0	21.94	22.13	22.98			
10	QPSK	25	12	22.01	22.15	22.10	23.5	0.5	
10	QPSK	25	25	21.96	22.11	22.06			
10	QPSK	50	0	21.88	22.07	22.05			
10	16QAM	1	0	22.01	21.97	22.01			
10	16QAM	1	25	22.07	22.07	22.10	23.5	0.5	
10	16QAM	1	49	21.95	22.07	21.98			
10	16QAM	25	0	21.05	21.04	21.03			
10	16QAM	25	12	21.10	21.07	21.06			
10	16QAM	25	25	21.02	21.06	20.98	22.5	1.5	
10	16QAM	50	0	21.05	21.04	20.97			
10	64QAM	1	0	21.03	20.95	20.94			
10	64QAM	1	25	21.03	21.03	21.10			
10	64QAM	1	49	21.02	21.05	21.07	22.5	1.5	
10	64QAM	25	0	20.07	20.08	20.12			
10	64QAM	25	12	20.08	20.05	20.12			
10	64QAM	25	25	20.06	20.10	20.03			
10	64QAM	50	0	20.01	19.94	20.00	21.5	2.5	
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.51	22.47	22.45	24	0	
5	QPSK	1	12	22.62	22.61	22.53			
5	QPSK	1	24	22.48	22.48	22.46			
5	QPSK	12	0	22.08	22.06	22.05			
5	QPSK	12	7	22.02	22.07	22.02	23.5	0.5	
5	QPSK	12	13	22.03	22.04	22.04			
5	QPSK	25	0	22.00	22.00	22.03			
5	16QAM	1	0	21.84	21.95	21.89			
5	16QAM	1	24	21.94	22.02	22.16	23.5	0.5	
5	16QAM	1	24	21.97	22.05	22.02			
5	16QAM	12	0	20.94	20.94	20.99			
5	16QAM	12	7	20.96	20.88	20.95			
5	16QAM	12	13	21.02	20.95	20.92	22.5	1.5	
5	16QAM	25	0	20.95	20.95	20.94			
5	64QAM	1	0	20.91	20.84	20.85			
5	64QAM	1	12	20.99	21.07	20.90			
5	64QAM	1	24	20.94	20.91	20.96	22.5	1.5	
5	64QAM	12	0	19.98	20.03	20.02			
5	64QAM	12	7	20.04	20.04	19.95			
5	64QAM	12	13	20.03	20.05	20.08			
5	64QAM	25	0	19.84	19.85	19.87	21.5	2.5	
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.47	22.54	22.45	24	0	
3	QPSK	1	8	22.58	22.56	22.51			
3	QPSK	1	14	22.45	22.47	22.46			
3	QPSK	8	0	22.02	22.01	22.08			
3	QPSK	8	4	22.13	22.05	22.12	23.5	0.5	
3	QPSK	8	7	22.00	22.09	22.10			
3	QPSK	15	0	22.00	22.01	22.03			
3	16QAM	1	0	21.89	21.87	21.87			
3	16QAM	1	8	22.01	21.94	22.02	23.5	0.5	
3	16QAM	1	14	22.01	21.95	22.06			
3	16QAM	8	0	21.03	20.94	20.97			
3	16QAM	8	4	20.94	21.00	20.95			
3	16QAM	8	7	21.01	20.94	21.02	22.5	1.5	
3	16QAM	15	0	20.91	21.01	20.98			
3	64QAM	1	0	20.85	20.88	20.94			
3	64QAM	1	8	20.83	20.88	21.02			
3	64QAM	1	14	21.02	21.02	20.92	21.5	2.5	
3	64QAM	8	0	19.99	20.08	19.98			
3	64QAM	8	4	20.04	20.04	19.97			
3	64QAM	8	7	20.03	20.04	20.03			
3	64QAM	15	0	19.93	19.93	19.91	20.5		
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.51	22.48	22.48	24	0	
1.4	QPSK	1	3	22.56	22.60	22.52			
1.4	QPSK	1	5	22.50	22.47	22.52			
1.4	QPSK	3	0	22.08	22.10	22.05			
1.4	QPSK	3	1	22.09	22.05	22.06	23.5	0.5	
1.4	QPSK	3	3	22.07	22.07	22.10			
1.4	QPSK	6	0	22.03	21.98	22.02			
1.4	16QAM	1	0	21.90	21.84	21.91			
1.4	16QAM	1	3	21.96	22.03	22.02	23.5	0.5	
1.4	16QAM	1	6	22.03	21.94	22.01			
1.4	16QAM	3	0	22.01	21.97	21.98			
1.4	16QAM	3	1	21.94	21.91	21.88			
1.4	16QAM	3	3	22.01	21.97	21.98	22.5	1.5	
1.4	16QAM	6	0	20.99	20.98	21.00			
1.4	64QAM	1	0	20.90	20.93	20.84			
1.4	64QAM	1	3	20.97	20.90	20.95			
1.4	64QAM	1	5	20.97	20.97	20.98	22.5	1.5	
1.4	64QAM	3	0	21.07	21.00	21.05			
1.4	64QAM	3	1	21.03	21.04	20.95			
1.4	64QAM	3	3	21.03	21.06	21.07			
1.4	64QAM	6	0	19.88	19.85	19.91	21.5	2.5	

Band 5_Ant 41									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	20.91	20.90	20.90	22.5	0	
10	QPSK	1	25	20.98	21.01	20.98			
10	QPSK	1	49	20.90	20.95	20.93			
10	QPSK	25	0	20.89	20.90	20.92			
10	QPSK	25	12	20.91	20.90	20.93	22.5	0	
10	QPSK	25	25	20.85	20.94	20.85			
10	QPSK	50	0	20.83	20.98	20.85			
10	16QAM	1	0	20.82	20.86	20.88			
10	16QAM	1	25	20.92	21.00	20.98	22.5	0	
10	16QAM	1	49	20.89	20.92	20.93			
10	16QAM	25	0	20.77	20.79	20.83			
10	16QAM	25	12	20.92	20.87	20.88			
10	16QAM	25	25	20.85	20.85	20.90	22.5	0	
10	16QAM	50	0	20.89	20.95	20.96			
10	64QAM	1	0	20.87	20.80	20.88			
10	64QAM	1	25	20.95	20.98	20.95			
10	64QAM	1	49	20.84	20.84	20.87	22.5	0	
10	64QAM	25	0	19.88	19.81	19.82			
10	64QAM	25	12	19.89	19.95	19.89			
10	64QAM	25	25	19.81	19.91	19.85			
10	64QAM	50	0	19.84	19.86	19.88	21.5	1	
Channel									
Frequency (MHz)									
5	QPSK	1	0	20.89	20.89	20.79	22.5	0	
5	QPSK	1	12	20.92	20.93	20.92			
5	QPSK	1	24	20.83	20.92	20.83			
5	QPSK	12	0	20.85	20.84	20.77			
5	QPSK	12	7	20.90	20.92	20.86	22.5	0	
5	QPSK	12	13	20.89	20.81	20.85			
5	QPSK	25	0	20.86	20.94	20.97			
5	16QAM	1	0	20.76	20.78	20.67			
5	16QAM	1	12	20.92	20.94	20.87	22.5	0	
5	16QAM	1	24	20.82	20.79	20.85			
5	16QAM	12	0	20.68	20.71	20.77			
5	16QAM	12	7	20.84	20.83	20.78			
5	16QAM	12	13	20.77	20.83	20.80	22.5	0	
5	16QAM	25	0	20.79	20.88	20.89			
5	16QAM	1	0	20.69	20.72	20.67			
5	16QAM	1	12	20.85	20.88	20.87			
5	16QAM	1	24	20.74	20.71	20.75	22.5	0	
5	16QAM	12	0	20.76	20.78	20.77			
5	16QAM	12	7	20.79	20.76	20.75			
5	16QAM	12	13	20.68	20.75	20.72			
5	16QAM	25	0	19.83	19.81	19.83	21.5	1	
Channel									
Frequency (MHz)									
3	QPSK	1	0	20.83	20.86	20.85	22.5	0	
3	QPSK	1	8	20.83	20.87	20.88			
3	QPSK	1	16	20.81	20.82	20.82			
3	QPSK	1	24	20.87	20.87	20.87			
3	QPSK	6	4	20.94	20.94	20.92	22.5	0	
3	QPSK	6	7	20.88	20.91	20.86			
3	16QAM	1	0	20.78	20.78	20.78			
3	16QAM	1	8	20.77	20.78	20.73			
3	16QAM	1	8	20.88	20.90	20.94	22.5	0	
3	16QAM	1	14	20.87	20.81	20.88			
3	16QAM	1	20	20.77	20.77	20.77			
3	16QAM	8	4	20.79	20.82	20.75			
3	16QAM	8	7	20.78	20.81	20.80	22.5	0	
3	16QAM	15	0	20.93	20.84	20.87			
3	16QAM	25	0	20.85	20.85	20.92			
3	16QAM	8	8	20.86	20.96	20.92			
3	16QAM	1	14	20.82	20.75	20.70	22.5	0	
3	16QAM	8	0	19.80	19.73	19.76			
3	16QAM	8	7	19.84	19.82	19.79			
3	16QAM	8	7	19.88	19.88	19.89			
3	16QAM	15	0	19.79	19.79	19.76	21.5	1	
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	20.79	20.85	20.84	22.5	0	
1.4	QPSK	1	5	20.91	20.93	20.93			
1.4	QPSK	2	0	20.83	20.81	20.86			
1.4	QPSK	2	0	20.81	20.82	20.81			
1.4	QPSK	3	0	20.82	20.87	20.85	22.5	0	
1.4	QPSK	3	3	20.82	20.87	20.85			
1.4	QPSK	6	0	20.83	20.85	20.84			
1.4	16QAM	1	0	20.68	20.69	20.78			
1.4	16QAM	1	5	20.89	20.89	20.78	22.5	0	
1.4	16QAM	1	5	20.90	20.85	20.88			
1.4	16QAM	3	0	20.69	20.69	20.75			
1.4	16QAM	1	5	20.85	20.79	20.74			
1.4	16QAM	3	0	20.72	20.82	20.71	22.5	0	
1.4	16QAM	6	0	20.85	20.84	20.80			
1.4	16QAM	0	0	20.74	20.79	20.78			
1.4	16QAM	0	0	20.73	20.78	20.77			
1.4	16QAM	1	0	20.74	20.78	20.75	22.5	0	
1.4	16QAM	1	0	20.73	20.83	20.74			
1.4	16QAM	1	0	20.88	20.91	20.93			
1.4	16QAM	1	0	20.88	20.90	20.89			
1.4	16QAM	5	0	19.79	19.85	19.79	21.5	1	

Band 7_Ant 13											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				20650	21100	21350					
20	QPSK	1	0	11.95	11.94	11.99	13	0			
20	QPSK	1	49	11.97	12.03	12.01					
20	QPSK	1	99	11.91	12.00	11.95					
20	QPSK	50	0	11.91	11.95	11.93					
20	QPSK	50	24	11.94	12.00	11.96					
20	QPSK	50	50	11.92	11.95	11.87	13	0			
20	QPSK	100	0	11.93	11.95	11.88					
20	16QAM	1	0	11.92	11.95	11.87					
20	16QAM	1	49	11.90	12.00	11.92					
20	16QAM	1	99	11.93	11.94	11.85					
20	16QAM	50	0	11.83	11.88	11.86	13	0			
20	16QAM	50	24	11.95	11.95	11.98					
20	16QAM	50	50	11.83	11.85	11.82					
20	16QAM	100	0	11.94	11.94	11.84					
20	64QAM	1	0	11.82	11.88	11.84					
20	64QAM	1	49	11.92	12.00	11.95	13	0			
20	64QAM	1	99	11.89	11.90	11.89					
20	64QAM	50	0	11.89	11.83	11.83					
20	64QAM	50	24	11.90	11.97	11.99					
20	64QAM	50	50	11.94	11.85	11.94					
20	64QAM	100	0	11.84	11.85	11.84	13	0			
Channel											
Frequency (MHz)				20625	21100	21375					
15	QPSK	1	0	11.92	11.81	11.80	13	0			
15	QPSK	1	37	11.94	12.01	11.93					
15	QPSK	1	74	11.97	11.87	11.89					
15	QPSK	36	0	11.90	11.89	11.85					
15	QPSK	36	20	11.92	11.94	11.97					
15	QPSK	36	39	11.83	11.92	11.85	13	0			
15	QPSK	75	0	11.91	11.92	11.84					
15	16QAM	1	0	11.82	11.83	11.83					
15	16QAM	1	37	11.94	11.95	11.93					
15	16QAM	1	74	11.81	11.84	11.88					
15	16QAM	36	0	11.77	11.87	11.78	13	0			
15	16QAM	36	20	11.82	11.81	11.79					
15	16QAM	36	39	11.73	11.75	11.78					
15	16QAM	75	0	11.77	11.75	11.79					
15	64QAM	1	0	11.83	11.83	11.83					
15	64QAM	1	37	11.97	11.98	11.94	13	0			
15	64QAM	1	74	11.77	11.87	11.86					
15	64QAM	36	0	11.77	11.79	11.75					
15	64QAM	36	20	11.90	11.95	11.94					
15	64QAM	36	39	11.83	11.77	11.80					
15	64QAM	75	0	11.75	11.78	11.77	13	0			
Channel											
Frequency (MHz)				20600	21100	21400					
10	QPSK	1	0	11.83	11.88	11.86	13	0			
10	QPSK	1	25	11.90	11.97	12.01					
10	QPSK	1	49	11.88	11.93	11.98					
10	QPSK	25	0	11.90	11.88	11.93					
10	QPSK	25	12	11.88	11.88	11.97					
10	QPSK	25	25	11.87	11.91	11.98	13	0			
10	QPSK	50	0	11.91	11.92	11.91					
10	16QAM	1	0	11.78	11.75	11.75					
10	16QAM	1	25	11.87	11.85	11.90					
10	16QAM	1	49	11.89	11.85	11.81					
10	16QAM	25	0	11.76	11.78	11.76	13	0			
10	16QAM	25	12	11.83	11.83	11.82					
10	16QAM	25	25	11.78	11.73	11.73					
10	16QAM	50	0	11.76	11.82	11.71					
10	64QAM	1	0	11.81	11.78	11.74					
10	64QAM	1	25	11.95	11.95	11.98	13	0			
10	64QAM	1	49	11.79	11.84	11.84					
10	64QAM	25	0	11.78	11.78	11.78					
10	64QAM	25	12	11.88	11.94	11.95					
10	64QAM	25	25	11.77	11.80	11.76					
10	64QAM	50	0	11.82	11.75	11.77	13	0			
Channel											
Frequency (MHz)				20675	21100	21425					
5	QPSK	1	0	11.84	11.85	11.93	13	0			
5	QPSK	1	12	11.97	11.90	11.94					
5	QPSK	1	24	11.87	11.95	11.95					
5	QPSK	12	0	11.93	11.91	11.82					
5	QPSK	12	7	11.89	11.88	11.87					
5	QPSK	12	13	11.83	11.85	11.85	13	0			
5	QPSK	25	0	11.92	11.87	11.89					
5	16QAM	1	0	11.83	11.81	11.75					
5	16QAM	1	12	11.90	11.95	11.94					
5	16QAM	1	24	11.81	11.83	11.81					
5	16QAM	12	0	11.79	11.86	11.77	13	0			
5	16QAM	12	7	11.83	11.86	11.82					
5	16QAM	12	13	11.83	11.78	11.77					
5	16QAM	25	0	11.79	11.80	11.83					
5	64QAM	1	0	11.74	11.77	11.82					
5	64QAM	1	12	11.90	11.88	11.98	13	0			
5	64QAM	1	24	11.87	11.84	11.80					
5	64QAM	12	0	11.76	11.79	11.79					
5	64QAM	12	7	11.90	11.87	11.89					
5	64QAM	12	13	11.77	11.74	11.78					
5	64QAM	25	0	11.76	11.79	11.81	13	0			

Band 7_Ant 31											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				20650	21100	21350					
20	QPSK	1	0	16.19	16.21	16.17	17.5	0			
20	QPSK	1	49	16.26	16.20	16.22					
20	QPSK	1	99	16.20	16.26	16.13					
20	QPSK	50	0	16.19	16.20	16.15					
20	QPSK	50	24	16.21	16.20	16.17					
20	QPSK	50	50	16.13	16.21	16.15	17.5	0			
20	QPSK	100	0	16.14	16.19	16.11					
20	16QAM	1	0	16.14	16.08	16.17					
20	16QAM	1	49	16.18	16.20	16.17					
20	16QAM	1	99	16.21	16.23	16.14					
20	16QAM	50	0	16.09	16.08	16.18	17.5	0			
20	16QAM	50	24	16.12	16.23	16.12					
20	16QAM	50	50	16.15	16.13	16.15					
20	16QAM	100	0	16.06	16.08	16.13					
20	64QAM	1	0	16.15	16.13	16.19					
20	64QAM	1	49	16.16	16.22	16.28	17.5	0			
20	64QAM	1	99	16.14	16.20	16.16					
20	64QAM	50	0	16.07	16.11	16.14					
20	64QAM	50	24	16.18	16.13	16.16					
20	64QAM	50	50	16.19	16.08	16.16					
20	64QAM	100	0	16.08	16.06	16.07	17.5	0			
Channel											
Frequency (MHz)				20625	21100	21375					
15	QPSK	1	0	16.20	16.18	16.13	17.5	0			
15	QPSK	1	37	16.25	16.23	16.25					
15	QPSK	1	74	16.13	16.24	16.13					
15	QPSK	36	0	16.13	16.15	16.11					
15	QPSK	36	20	16.16	16.22	16.23					
15	QPSK	36	39	16.17	16.15	16.18	17.5	0			
15	QPSK	75	0	16.09	16.09	16.07					
15	16QAM	1	0	15.98	15.98	16.06					
15	16QAM	1	37	16.14	16.14	16.12					
15	16QAM	1	74	16.13	16.22	16.19					
15	16QAM	36	0	16.06	16.01	16.07					
15	16QAM	36	20	16.11	16.12	16.11	17.5	0			
15	16QAM	36	39	16.04	16.02	16.07					
15	16QAM	75	0	16.05	16.03	16.05					
15	64QAM	1	0	16.11	16.01	16.02					
15	64QAM	1	37	16.12	16.19	16.18					
15	64QAM	1	74	16.11	16.05	16.12	17.5	0			
15	64QAM	36	0	16.07	16.02	16.08					
15	64QAM	36	20	16.11	16.06	16.11					
15	64QAM	36	39	15.99	16.05	16.01					
15	64QAM	75	0	16.00	16.02	16.02					
15	64QAM	75	0	16.00	16.02	16.02	17.5	0			
Channel											
Frequency (MHz)				20600	21100	21400					
10	QPSK	1	0	16.11	16.14	16.09	17.5	0			
10	QPSK	1	25	16.24	16.25	16.26					
10	QPSK	1	49	16.16	16.13	16.19					
10	QPSK	25	0	16.16	16.09	16.15					
10	QPSK	25	12	16.13	16.20	16.16					
10	QPSK	25	25	16.20	16.16	16.15	17.5	0			
10	QPSK	50	0	16.15	16.11	16.14					
10	16QAM	1	0	16.04	15.95	16.07					
10	16QAM	1	25	16.19	16.18	16.17					
10	16QAM	1	49	16.11	16.13	16.18					
10	16QAM	25	0	16.06	16.04	16.07	17.5	0			
10	16QAM	25	12	16.12	16.16	16.17					
10	16QAM	25	25	16.04	16.02	16.08					
10	16QAM	50	0	15.96	16.03	15.95					
10	64QAM	1	0	16.05	16.06	16.06					
10	64QAM	1	25	16.09	16.13	16.15	17.5	0			
10	64QAM	1	49	16.07	16.09	16.07					
10	64QAM	25	0	16.07	16.10	16.08					
10	64QAM	25	12	16.16	16.04	16.15					
10	64QAM	25	25	16.05	16.05	16.01					
10	64QAM	50	0	16.02	15.99	16.04	17.5	0			
Channel											
Frequency (MHz)				20775	21100	21425					
5	QPSK	1	0	16.11	16.10	16.18	17.5	0			
5	QPSK	1	12	16.19	16.23	16.21					
5	QPSK	1	24	16.21	16.23	16.20					
5	QPSK	12	0	16.21	16.19	16.08					
5	QPSK	12	7	16.18	16.23	16.22					
5	QPSK	12	13	16.08	16.18	16.09	17.5	0			
5	QPSK	25	0	16.08	16.06	16.07					
5	16QAM	1	0	16.05	16.06	16.05					
5	16QAM	1	12	16.17	16.08	16.09					
5	16QAM	1	24	16.19	16.21	16.15					
5	16QAM	12	0	16.03	16.07	15.96	17.5	0			
5	16QAM	12	7	16.14	16.14	16.14					
5	16QAM	12	13	16.12	16.03	16.07					
5	16QAM	25	0	15.99	16.04	16.05					
5	64QAM	1	0	16.04	15.99	16.05					
5	64QAM	1	12	16.14	16.14	16.14	17.5	0			
5	64QAM	1	24	16.14	16.17	16.05					
5	64QAM	12	0	16.04	16.01	16.16					
5	64QAM	12	7	16.08	16.05	16.06					
5	64QAM	12	13	15.96	15.98	15.97					

Band 66_Ant 13										Band 66_Ant 31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel										Channel										
Frequency (MHz)				132072	132332	132672				Frequency (MHz)				132072	132332	132672				
20	QPSK	1	0	15.38	15.40	15.29	17.2	0		20	QPSK	1	0	15.38	15.40	15.29	17.2	0		
20	QPSK	1	49	15.43	15.45	15.38				20	QPSK	1	49	15.43	15.45	15.38				
20	QPSK	1	99	15.41	15.39	15.31				20	QPSK	1	99	15.41	15.39	15.38				
20	QPSK	50	0	15.34	15.32	15.26				20	QPSK	50	0	15.37	15.32	15.30				
20	QPSK	50	24	15.38	15.40	15.31	17.2	0		20	QPSK	50	24	15.38	15.40	15.33	17.2	0		
20	QPSK	50	50	15.37	15.33	15.30				20	QPSK	50	50	15.33	15.35	15.35				
20	QPSK	100	0	15.33	15.35	15.25				20	QPSK	100	0	15.33	15.39	15.32				
20	15QAM	1	0	15.37	15.31	15.22				20	15QAM	1	0	15.37	15.35	15.25				
20	15QAM	1	49	15.31	15.39	15.25	17.2	0		20	15QAM	1	49	15.35	15.36	15.26	17.2	0		
20	15QAM	1	99	15.37	15.34	15.25				20	15QAM	1	99	15.35	15.36	15.30				
20	15QAM	50	0	15.37	15.31	15.28				20	15QAM	50	0	15.31	15.44	15.30				
20	15QAM	50	24	15.37	15.31	15.24				20	15QAM	50	24	15.35	15.37	15.27				
20	15QAM	50	50	15.32	15.32	15.24	17.2	0		20	15QAM	50	50	15.35	15.37	15.31	17.2	0		
20	15QAM	100	0	15.35	15.35	15.29				20	15QAM	100	0	15.33	15.30	15.35				
20	64QAM	1	0	15.37	15.35	15.25				20	64QAM	1	0	15.32	15.36	15.35				
20	64QAM	1	49	15.34	15.33	15.25				20	64QAM	1	49	15.33	15.35	15.35				
20	64QAM	1	99	15.29	15.32	15.24	17.2	0		20	64QAM	1	99	15.32	15.30	15.35	17.2	0		
20	64QAM	50	0	15.31	15.35	15.27				20	64QAM	50	0	15.33	15.39	15.35				
20	64QAM	50	24	15.35	15.35	15.25				20	64QAM	50	24	15.31	15.35	15.31				
20	64QAM	50	50	15.34	15.35	15.24				20	64QAM	50	50	15.31	15.35	15.31				
20	64QAM	100	0	15.35	15.31	15.22	17.2	0	Channel											
Frequency (MHz)				132047	132332	132697						Frequency (MHz)				132047	132332	132697		
15	QPSK	1	0	15.35	15.34	15.34	17.2		0		15	QPSK	1	0	15.32	15.31	15.32	17.2	0	
15	QPSK	1	37	15.42	15.36	15.42				15	QPSK	1	37	15.42	15.36	15.41				
15	QPSK	1	74	15.35	15.27	15.37				15	QPSK	1	74	15.30	15.39	15.39				
15	QPSK	36	0	15.30	15.20	15.26				15	QPSK	36	0	15.29	15.33	15.32				
15	QPSK	36	39	15.33	15.30	15.30	17.2	0		15	QPSK	36	39	15.30	15.30	15.35	17.2	0		
15	QPSK	36	39	15.21	15.22	15.30				15	QPSK	36	39	15.38	15.27	15.38				
15	QPSK	75	0	15.25	15.28	15.28				15	QPSK	75	0	15.27	15.34	15.27				
15	15QAM	1	0	15.34	15.32	15.26				15	15QAM	1	0	15.37	15.33	15.37				
15	15QAM	1	74	15.32	15.30	15.26	17.2	0		15	15QAM	1	74	15.32	15.35	15.35	17.2	0		
15	15QAM	1	74	15.32	15.33	15.29				15	15QAM	1	74	15.27	15.32	15.38				
15	15QAM	36	0	15.22	15.27	15.24				15	15QAM	36	0	15.22	15.33	15.71				
15	15QAM	36	20	15.19	15.28	15.22				15	15QAM	36	20	15.30	15.28	15.37				
15	15QAM	36	39	15.24	15.25	15.27	17.2	0		15	15QAM	36	39	15.25	15.31	15.31	17.2	0		
15	15QAM	75	0	15.25	15.29	15.30				15	15QAM	75	0	15.36	15.28	15.35				
15	64QAM	1	0	15.28	15.32	15.23				15	64QAM	1	0	15.28	15.30	15.35				
15	64QAM	1	37	15.25	15.21	15.23				15	64QAM	1	37	15.33	15.33	15.35				
15	64QAM	1	74	15.19	15.30	15.17	17.2	0		15	64QAM	1	74	15.32	15.35	15.35	17.2	0		
15	64QAM	36	0	15.28	15.34	15.25				15	64QAM	36	0	15.33	15.31	15.34				
15	64QAM	36	20	15.33	15.29	15.28				15	64QAM	36	20	15.32	15.28	15.75				
15	64QAM	36	39	15.25	15.32	15.31				15	64QAM	36	39	15.32	15.28	15.33				
15	64QAM	75	0	15.28	15.22	15.21	17.2	0	Channel											
Frequency (MHz)				132022	132332	132652						Frequency (MHz)				132022	132332	132652		
10	QPSK	1	0	15.39	15.39	15.30	17.2		0		10	QPSK	1	0	15.38	15.31	15.34	17.2	0	
10	QPSK	1	25	15.32	15.37	15.41				10	QPSK	1	25	15.35	15.36	15.36				
10	QPSK	1	49	15.31	15.34	15.35				10	QPSK	1	49	15.39	15.32	15.35				
10	QPSK	25	0	15.19	15.20	15.24				10	QPSK	25	0	15.35	15.31	15.38				
10	QPSK	25	12	15.35	15.35	15.30	17.2	0		10	QPSK	25	12	15.31	15.30	15.38	17.2	0		
10	QPSK	25	25	15.25	15.32	15.30				10	QPSK	25	25	15.35	15.32	15.35				
10	QPSK	50	0	15.28	15.29	15.35				10	QPSK	50	0	15.37	15.34	15.38				
10	15QAM	1	0	15.33	15.25	15.33				10	15QAM	1	0	15.31	15.31	15.34				
10	15QAM	1	25	15.34	15.31	15.35	17.2	0		10	15QAM	1	25	15.30	15.26	15.76	17.2	0		
10	15QAM	1	49	15.30	15.35	15.26				10	15QAM	1	49	15.32	15.35	15.35				
10	15QAM	25	0	15.18	15.22	15.28				10	15QAM	25	0	15.30	15.22	15.80				
10	15QAM	25	12	15.21	15.21	15.24				10	15QAM	25	12	15.32	15.30	15.80				
10	15QAM	25	25	15.29	15.19	15.19	17.2	0		10	15QAM	25	25	15.26	15.34	15.78	17.2	0		
10	15QAM	50	0	15.25	15.30	15.34				10	15QAM	50	0	15.32	15.28	15.78				
10	64QAM	1	0	15.26	15.21	15.21				10	64QAM	1	0	15.32	15.28	15.82				
10	64QAM	1	25	15.24	15.21	15.28				10	64QAM	1	25	15.35	15.35	15.84				
10	64QAM	1	49	15.20	15.15	15.31	17.2	0		10	64QAM	1	49	15.35	15.27	15.76	17.2	0		
10	64QAM	25	0	15.25	15.30	15.32				10	64QAM	25	0	15.32	15.32	15.85				
10	64QAM	25	12	15.30	15.29	15.30				10	64QAM	25	12	15.28	15.34	15.83				
10	64QAM	25	25	15.34	15.31	15.33				10	64QAM	25	25	15.27	15.28	15.77				
10	64QAM	50	0	15.22	15.25	15.27	17.2	0	Channel											
Frequency (MHz)				132157	132332	132647						Frequency (MHz)				132157	132332	132647		
5	QPSK	1	0	15.36	15.35	15.31	17.2		0		5	QPSK	1	0	15.39	15.33	15.35	17.2	0	
5	QPSK	1	12	15.32	15.25	15.32				5	QPSK	1	12	15.30	15.30	15.35				
5	QPSK	1	24	15.34	15.32	15.32				5	QPSK	1	24	15.34	15.30	15.31				
5	QPSK	12	0	15.20	15.28	15.21				5	QPSK	12	0	15.32	15.32	15.37				
5	QPSK	12	7	15.35	15.33	15.37	17.2	0		5	QPSK	12	7	15.31	15.39	15.37	17.2	0		
5	QPSK	12	13	15.21	15.28	15.20				5	QPSK	12	13	15.34	15.32	15.33				
5	QPSK	25	0	15.27	15.25	15.28				5	QPSK	25	0	15.32	15.31	15.38				
5	15QAM	1	0	15.27	15.30	15.33				5	15QAM	1	0	15.39	15.31	15.30				
5	15QAM	1	12	15.31	15.35	15.38	17.2	0		5	15QAM	1	12	15.36	15.33	15.76	17.2	0		
5	15QAM	1	24	15.21	15.29	15.24				5	15QAM	1	24	15.31	15.28	15.85				
5	15QAM	12	0	15.23	15.22	15.19				5	15QAM	12	0	15.32	15.35	15.71				
5	15QAM	12	7	15.30	15.20	15.24				5	15QAM	12	7	15.39	15.34	15.82				
5	15QAM	12	13	15.21	15.19	15.31	17.2	0		5	15QAM	12	13	15.33	15.30	15.74	17.2	0		
5	15QAM	25	0	15.34	15.33	15.34				5	15QAM	25	0	15.38	15.36	15.77				
5	64QAM	1	0	15.28	15.22	15.24				5	64QAM	1	0	15.30	15.30	15.84				
5	64QAM	1	12	15.17	15.28	15.31				5	64QAM	1	12	15.30	15.34	15.82				
5	64QAM	1	24	15.28	15.24	15.23	17.2	0		5	64QAM	1	24	15.33	15.31	15.76	17.2	0		
5	64QAM	12	0	15.35	15.30	15.30				5	64QAM	12	0	15.34	15.30	15.84				
5	64QAM	12	7	15.33	15.29	15.33				5	64QAM	12	7	15.35	15.31	15.85				
5	64QAM	12	13	15.30	15.35	15.33				5	64QAM	12	13	15.25	15.32	15.79				
5	64QAM	25	0	15.27	15.25	15.29	17.2	0	Channel											
Frequency (MHz)				132715	132332	132647						Frequency (MHz)				132715	132332	132647		
3	QPSK	1	0	15.31	15.28	15.35	17.2													

Band 38_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel				37950	38000	38150			
Frequency (MHz)									
20	QPSK	1	0	14.90	14.93	14.91	15.9	0	
20	QPSK	1	49	14.98	15.02	14.96			
20	QPSK	1	99	14.91	14.95	14.95			
20	QPSK	50	0	14.89	14.95	14.90	15.9	0	
20	QPSK	50	24	14.95	14.98	14.92			
20	QPSK	50	50	14.93	14.92	14.86			
20	QPSK	100	0	14.87	14.92	14.88	15.9	0	
20	16QAM	1	0	14.94	14.96	14.83			
20	16QAM	1	49	14.88	14.97	14.84			
20	16QAM	1	99	14.87	14.96	14.89	15.9	0	
20	16QAM	50	0	14.89	14.93	14.86			
20	16QAM	50	24	14.88	14.92	14.86			
20	16QAM	50	50	14.92	14.95	14.86	15.9	0	
20	16QAM	100	0	14.89	14.95	14.84			
20	16QAM	1	0	14.92	14.94	14.83			
20	16QAM	1	49	14.94	14.96	14.90	15.9	0	
20	16QAM	1	99	14.93	14.89	14.89			
20	16QAM	50	0	14.90	14.92	14.85			
20	16QAM	50	24	14.89	14.92	14.83	15.9	0	
20	16QAM	50	50	14.87	14.95	14.87			
20	16QAM	100	0	14.86	14.93	14.91			
Channel				2577.5	2595	2612.5	146-147 limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	0	14.81	14.82	14.89	15.9	0	
15	QPSK	1	37	15.01	15.01	14.89			
15	QPSK	1	74	14.85	14.84	14.90			
15	QPSK	36	0	14.83	14.87	14.82	15.9	0	
15	QPSK	36	20	14.97	14.91	14.87			
15	QPSK	36	39	14.79	14.83	14.90			
15	QPSK	75	0	14.91	14.81	14.79	15.9	0	
15	16QAM	1	0	14.87	14.83	14.93			
15	16QAM	1	37	14.84	14.85	14.86			
15	16QAM	1	74	14.89	14.88	14.92	15.9	0	
15	16QAM	36	0	14.88	14.84	14.91			
15	16QAM	36	20	14.85	14.82	14.84			
15	16QAM	36	39	14.84	14.87	14.94	15.9	0	
15	16QAM	75	0	14.93	14.84	14.86			
15	16QAM	1	0	14.93	14.93	14.86			
15	16QAM	1	37	14.87	14.83	14.83	15.9	0	
15	16QAM	1	74	14.86	14.75	14.82			
15	16QAM	36	0	14.87	14.82	14.85			
15	16QAM	36	20	14.84	14.86	14.90	15.9	0	
15	16QAM	36	39	14.89	14.91	14.89			
15	16QAM	75	0	14.90	14.88	14.86			
Channel				37950	38000	38200	146-147 limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	0	14.92	14.81	14.85	15.9	0	
10	QPSK	1	25	14.95	14.94	14.94			
10	QPSK	1	49	14.92	14.92	14.92			
10	QPSK	25	0	14.86	14.87	14.83	15.9	0	
10	QPSK	25	12	14.86	14.86	14.93			
10	QPSK	25	25	14.85	14.81	14.87			
10	QPSK	50	0	14.89	14.81	14.84	15.9	0	
10	16QAM	1	0	14.94	14.84	14.93			
10	16QAM	1	25	14.90	14.95	14.95			
10	16QAM	1	49	14.86	14.83	14.86	15.9	0	
10	16QAM	25	0	14.81	14.88	14.86			
10	16QAM	25	12	14.84	14.79	14.85			
10	16QAM	25	25	14.84	14.84	14.90	15.9	0	
10	16QAM	50	0	14.85	14.83	14.84			
10	16QAM	1	0	14.90	14.81	14.92			
10	16QAM	1	25	14.86	14.94	14.85	15.9	0	
10	16QAM	1	49	14.85	14.84	14.77			
10	16QAM	25	0	14.90	14.90	14.89			
10	16QAM	25	12	14.87	14.88	14.89	15.9	0	
10	16QAM	25	25	14.86	14.92	14.92			
10	16QAM	50	0	14.89	14.87	14.86			
Channel				3777.5	3800	3822.5	146-147 limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	0	14.80	14.87	14.80	15.9	0	
5	QPSK	1	12	14.97	14.97	14.99			
5	QPSK	1	24	14.90	14.83	14.89			
5	QPSK	12	0	14.90	14.87	14.82	15.9	0	
5	QPSK	12	7	14.91	14.87	14.90			
5	QPSK	12	13	14.80	14.91	14.82			
5	QPSK	25	0	14.84	14.91	14.82	15.9	0	
5	16QAM	1	0	14.85	14.94	14.83			
5	16QAM	1	12	14.92	14.93	14.87			
5	16QAM	1	24	14.90	14.86	14.95	15.9	0	
5	16QAM	12	0	14.80	14.83	14.86			
5	16QAM	12	7	14.85	14.89	14.85			
5	16QAM	12	13	14.92	14.94	14.90	15.9	0	
5	16QAM	25	0	14.91	14.82	14.92			
5	16QAM	1	0	14.80	14.87	14.80			
5	16QAM	1	12	14.89	14.88	14.91	15.9	0	
5	16QAM	1	24	14.81	14.86	14.86			
5	16QAM	12	0	14.82	14.89	14.83			
5	16QAM	12	7	14.86	14.83	14.90	15.9	0	
5	16QAM	12	13	14.90	14.85	14.89			
5	16QAM	25	0	14.84	14.88	14.83			

Band 38_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel				37950	38000	38150			
Frequency (MHz)									
20	QPSK	1	0	0	18.25	18.26	18.16	19.3	0
20	QPSK	1	49	0	18.30	18.35	18.26		
20	QPSK	1	99	0	18.24	18.28	18.23		
20	QPSK	50	0	0	18.24	18.27	18.11	19.3	0
20	QPSK	50	24	0	18.28	18.30	18.19		
20	QPSK	50	50	0	18.23	18.25	18.12		
20	QPSK	100	0	0	18.24	18.25	18.16	19.3	0
20	16QAM	1	0	0	18.21	18.25	18.15		
20	16QAM	1	49	0	18.26	18.21	18.16		
20	16QAM	1	99	0	18.23	18.22	18.17	19.3	0
20	16QAM	50	0	0	18.25	18.25	18.16		
20	16QAM	50	24	0	18.27	18.27	18.12		
20	16QAM	50	50	0	18.21	18.25	18.10	19.3	0
20	16QAM	100	0	0	18.24	18.23	18.10		
20	16QAM	1	0	0	18.22	18.25	18.16		
20	16QAM	1	49	0	18.22	18.23	18.16	19.3	0
20	16QAM	1	99	0	18.22	18.24	18.10		
20	16QAM	50	0	0	18.23	18.25	18.16		
20	16QAM	50	24	0	18.24	18.21	18.16	19.3	0
20	16QAM	50	50	0	18.19	18.24	18.17		
20	16QAM	100	0	0	18.23	18.24	18.13		
Channel				2577.5	2595	2612.5	146-147 limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	0	0	18.15	18.16	18.22	19.3	0
15	QPSK	1	37	0	18.28	18.25	18.25		
15	QPSK	1	74	0	18.26	18.20	18.24		
15	QPSK	36	0	0	18.13	18.16	18.22	19.3	0
15	QPSK	36	20	0	18.26	18.24	18.27		
15	QPSK	36	39	0	18.18	18.23	18.22		
15	QPSK	75	0	0	18.28	18.19	18.27	19.3	0
15	16QAM	1	0	0	18.12	18.21	18.16		
15	16QAM	1	37	0	18.18	18.20	18.12		
15	16QAM	1	74	0	18.16	18.13	18.16	19.3	0
15	16QAM	36	0	0	18.28	18.28	18.20		
15	16QAM	36	20	0	18.14	18.23	18.16		
15	16QAM	36	39	0	18.23	18.12	18.17	19.3	0
15	16QAM	75	0	0	18.19	18.19	18.16		
15	16QAM	1	0	0	18.17	18.25	18.19		
15	16QAM	1	37	0	18.12	18.16	18.16	19.3	0
15	16QAM	1	74	0	18.11	18.12	18.10		
15	16QAM	36	0	0	18.25	18.25	18.21		
15	16QAM	36	20	0	18.17	18.19	18.12	19.3	0
15	16QAM	36	39	0	18.14	18.22	18.17		
15	16QAM	75	0	0	18.17	18.18	18.20		
Channel				37950	38000	38200	146-147 limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	0	0	18.17	18.17	18.22	19.3	0
10	QPSK	1	25	0	18.31	18.26	18.34		
10	QPSK	1	49	0	18.26	18.18	18.20		
10	QPSK	25	0	0	18.17	18.11	18.12	19.3	0
10	QPSK	25	12	0	18.17	18.11	18.23		
10	QPSK	25	25	0	18.25	18.14	18.19		
10	QPSK	50	0	0	18.17	18.14	18.24	19.3	0
10	16QAM	1	0	0	18.12	18.16	18.16		
10	16QAM	1	25	0	18.19	18.20	18.14		
10	16QAM	1	49	0	18.20	18.16	18.19	19.3	0
10	16QAM	25	0	0	18.22	18.25	18.25		
10	16QAM	25	12	0	18.16	18.17	18.23		
10	16QAM	25	25	0	18.17	18.22	18.19	19.3	0
10	16QAM	50	0	0	18.11	18.14	18.17		
10	16QAM	1	0	0	18.17	18.17	18.19		
10	16QAM	1	25	0	18.17	18.22	18.10	19.3	0
10	16QAM	1	49	0	18.17	18.22	18.11		
10	16QAM	25	0	0	18.22	18.16	18.25		
10	16QAM	25	12	0	18.13	18.13	18.13	19.3	0
10	16QAM	25	25	0	18.17	18.16	18.23		
10	16QAM	50	0	0	18.15	18.16	18.23		
Channel				3777.5	3800	3822.5	146-147 limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	0	0	18.18	18.17	18.25	19.3	0
5	QPSK	1	12	0	18.22	18.25	18.28		
5	QPSK	1	24	0	18.25	18.27	18.23		
5	QPSK	12	0	0	18.15	18.21	18.17	19.3	0
5	QPSK	12	7	0	18.29	18.27	18.21		
5	QPSK	12	13	0	18.12	18.16	18.19		
5	QPSK	25	0	0	18.25	18.16	18.25	19	



Reduced Power for DSI 8/10

Band 41_Ant 13																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mode Ch. / Freq.	Power Low Mode Ch. / Freq.	Power High Mode Ch. / Freq.	Power High Mode Ch. / Freq.	Turn-up Int. (dBm)	MPR (dB)							
Channel				39750	40185	40620	41055	41490								
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5								
20	QPSK	1	0	14.91	15.01	14.96	14.88	14.89	15.9	0						
20	QPSK	1	49	15.02	15.03	15.06	14.98	14.99								
20	QPSK	1	99	14.97	14.90	14.84	14.87	14.95								
20	QPSK	50	0	14.91	14.88	14.95	14.81	14.80								
20	QPSK	50	24	14.93	14.98	15.03	14.90	14.88	15.9	0						
20	QPSK	50	50	14.82	14.88	14.93	14.81	14.76								
20	QPSK	100	0	14.81	14.88	14.95	14.89	14.80								
20	16QAM	1	0	14.85	14.93	14.94	14.78	14.75								
20	16QAM	1	49	14.80	14.94	14.93	14.88	14.78	15.9	0						
20	16QAM	1	99	14.82	14.84	14.93	14.88	14.78								
20	16QAM	50	0	14.82	14.90	14.91	14.82	14.82								
20	16QAM	50	24	14.87	14.97	14.95	14.82	14.87								
20	16QAM	50	24	14.92	14.95	14.94	14.84	14.76	15.9	0						
20	16QAM	50	50	14.90	14.94	14.91	14.85	14.86								
20	16QAM	100	0	14.91	14.90	14.90	14.81	14.81								
20	64QAM	1	0	14.87	14.85	14.91	14.78	14.87								
20	64QAM	1	49	14.84	14.95	14.97	14.87	14.82	15.9	0						
20	64QAM	1	99	14.88	14.89	14.90	14.79	14.82								
20	64QAM	50	0	14.81	14.95	15.02	14.84	14.76								
20	64QAM	50	24	14.87	14.91	15.02	14.79	14.76								
20	64QAM	50	50	14.80	14.97	14.99	14.81	14.85	15.9	0						
20	64QAM	100	0	14.84	14.91	14.91	14.83	14.78								
Channel				39750	40173	40620	41068	41615					Turn-up Int. (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2547.3	2593	2642	2692								
15	QPSK	1	0	14.91	14.95	14.95	14.92	14.84	15.9	0						
15	QPSK	1	37	14.97	15.04	14.99	15.00	14.99								
15	QPSK	1	74	14.91	14.90	14.88	14.83	14.83								
15	QPSK	36	0	14.87	14.94	14.93	14.84	14.89								
15	QPSK	36	20	14.83	14.95	14.91	14.83	14.80	15.9	0						
15	QPSK	36	39	14.82	14.85	14.92	14.85	14.83								
15	QPSK	75	0	14.88	14.97	14.88	14.95	14.97								
15	16QAM	1	0	14.89	14.84	14.85	14.91	14.81								
15	16QAM	1	37	14.90	14.85	14.87	14.80	14.83	15.9	0						
15	16QAM	1	74	14.89	14.83	14.78	14.77	14.89								
15	16QAM	36	0	14.87	14.82	14.84	14.82	14.89								
15	16QAM	36	20	14.86	14.81	14.90	14.84	14.83								
15	16QAM	36	39	14.88	14.82	14.86	14.88	14.86	15.9	0						
15	16QAM	75	0	14.99	14.93	14.90	14.92	14.92								
15	64QAM	1	0	14.78	14.80	14.83	14.84	14.90								
15	64QAM	1	37	14.84	14.83	14.83	14.83	14.82								
15	64QAM	1	74	14.75	14.89	14.79	14.83	14.78	15.9	0						
15	64QAM	36	0	14.93	14.95	14.93	14.95	14.92								
15	64QAM	36	20	14.84	15.00	14.93	15.00	14.96								
15	64QAM	36	39	14.90	14.92	14.95	14.93	14.94								
15	64QAM	75	0	14.90	14.84	14.87	14.89	14.85	15.9	0						
Channel				39750	40180	40620	41060	41540	Turn-up Int. (dBm)	MPR (dB)						
Frequency (MHz)				2503.1	2547	2593	2639	2695								
10	QPSK	1	0	14.89	14.95	14.85	14.91	14.84	15.9	0						
10	QPSK	1	25	14.99	15.01	15.00	15.05	14.93								
10	QPSK	1	49	14.88	14.91	14.86	14.91	14.83								
10	QPSK	25	0	14.85	14.88	14.89	14.87	14.88								
10	QPSK	25	12	14.93	14.99	14.97	14.91	14.96	15.9	0						
10	QPSK	25	25	14.90	14.89	14.86	14.91	14.85								
10	QPSK	50	0	14.97	14.85	14.88	14.91	14.86								
10	16QAM	1	0	14.88	14.93	14.93	14.81	14.82								
10	16QAM	1	25	14.88	14.87	14.89	14.86	14.89	15.9	0						
10	16QAM	1	49	14.89	14.87	14.85	14.88	14.78								
10	16QAM	25	0	14.88	14.90	14.83	14.83	14.92								
10	16QAM	25	12	14.90	14.87	14.89	14.88	14.82								
10	16QAM	25	25	14.89	14.86	14.88	14.89	14.83	15.9	0						
10	16QAM	50	0	14.96	14.89	14.95	14.94	14.89								
10	64QAM	1	0	14.76	14.81	14.85	14.84	14.87								
10	64QAM	1	25	14.84	14.94	14.91	14.93	14.84								
10	64QAM	1	49	14.89	14.78	14.80	14.82	14.84	15.9	0						
10	64QAM	25	0	14.92	14.93	15.01	14.98	14.97								
10	64QAM	25	12	14.98	14.95	15.00	14.97	14.95								
10	64QAM	25	25	14.90	14.90	14.98	14.97	14.98								
10	64QAM	50	0	14.83	14.83	14.87	14.88	14.86	15.9	0						
Channel				39750	40185	40620	41055	41490	Turn-up Int. (dBm)	MPR (dB)						
Frequency (MHz)				2503.1	2547.5	2593	2640.3	2697.5								
5	QPSK	1	0	14.94	14.85	14.85	14.95	14.90	15.9	0						
5	QPSK	1	12	15.01	14.95	14.95	14.97	15.05								
5	QPSK	1	24	14.93	14.81	14.88	14.81	14.93								
5	QPSK	12	0	14.90	14.89	14.85	14.83	14.92								
5	QPSK	12	7	14.99	14.96	14.96	14.97	14.97	15.9	0						
5	QPSK	12	13	14.80	14.88	14.80	14.84	14.90								
5	QPSK	25	0	14.97	14.90	14.96	14.96	14.95								
5	16QAM	1	0	14.92	14.87	14.83	14.92	14.83								
5	16QAM	1	12	14.83	14.87	14.85	14.83	14.80	15.9	0						
5	16QAM	1	24	14.88	14.81	14.77	14.88	14.88								
5	16QAM	12	0	14.93	14.89	14.92	14.90	14.90								
5	16QAM	12	7	14.88	14.81	14.92	14.86	14.93								
5	16QAM	12	13	14.80	14.78	14.84	14.81	14.90	15.9	0						
5	16QAM	25	0	14.88	14.89	14.93	14.91	14.88								
5	64QAM	1	0	14.90	14.86	14.89	14.76	14.84								
5	64QAM	1	12	14.95	14.88	14.95	14.91	14.94								
5	64QAM	1	24	14.86	14.76	14.83	14.77	14.87	15.9	0						
5	64QAM	12	0	14.95	14.93	14.98	14.98	14.93								
5	64QAM	12	7	14.99	14.95	14.94	14.93	15.01								
5	64QAM	12	13	14.97	14.93	14.91	14.97	14.91								
5	64QAM	25	0	14.90	14.88	14.90	14.91	14.88	15.9	0						
Channel				39750	40185	40620	41055	41490	Turn-up Int. (dBm)	MPR (dB)						
Frequency (MHz)				2499.5	2544.8	2593	2640.3	2697.5								
5	QPSK	1	0	17.90	17.95	17.95	17.98	17.92	19.3	0						
5	QPSK	1	12	18.01	17.93	17.97	17.94	17.99								
5	QPSK	1	24	17.92	17.92	17.92	17.92	17.92								
5	QPSK	12	0	17.91	17.92	17.93	17.91	17.91								
5	QPSK	12	7	17.90	17.92	17.95	17.96	17.94	19.3	0						
5	QPSK	12	13	17.94	17.92	17.97	17.97	17.95								
5	QPSK	25	0	17.90	17.88	17.97	17.96	17.96								
5	16QAM	1	0	17.89	17.91	17.90	17.91	17.82								
5	16QAM	1	12	17.86	17.78	17.88	17.83	17.82	19.3	0						
5	16QAM	1	24	17.88	17.86	17.87	17.88	17.98								
5	16QAM	12	0	17.78	17.89	17.88	17.85	17.85								
5	16QAM	12	7	17.95	17.89	17.93	17.81	17.92								
5	16QAM	12	13	17.89	17.91	17.89	17.92	17.95	19.3	0						
5	16QAM	25	0	17.87	17.78	17.78	17.85	17.82								
5	64QAM	1	0	17.89	17.97	17.87	17.84	17.95								
5	64QAM	1	12	17.93	17.88	17.93	17.91	17.89								
5	64QAM	1	24	17.84	17.82	17.77	17.82	17.90	19.3	0						
5	64QAM	12	0	17.89	17.86	17.86	17.81	17.86								
5	64QAM	12	7	17.97	17.93	17.98	17.84	17.99								
5	64QAM	12	13	17.93	17.84	17.87	17.87	17.87								
5	64QAM	25	0	17.93	17.92	17.91	17.88	17.94	19.3	0						



Conducted Default Power for EN-DC 5G NSA

n7_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	24.0	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	23.01	23.16	23.08	24.0	0.0	
20	PI/2 BPSK	1	53	23.26	23.37	23.29			
20	PI/2 BPSK	1	104	23.14	23.03	23.28			
20	PI/2 BPSK	50	0	22.61	22.73	22.77	23.5	0.5	
20	PI/2 BPSK	50	28	23.31	23.36	23.32	24.0	0.0	
20	PI/2 BPSK	50	56	22.82	22.67	22.74	23.5	0.5	
20	PI/2 BPSK	100	0	22.77	22.78	22.76			
20	QPSK	1	1	22.94	23.09	23.04	24.0	0.0	
20	QPSK	1	53	23.20	23.15	23.19			
20	QPSK	1	104	23.12	23.02	23.17			
20	QPSK	50	0	22.12	22.21	22.18	23.0	1.0	
20	QPSK	50	28	23.26	23.26	23.31	24.0	0.0	
20	QPSK	50	56	22.30	22.16	22.24	23.0	1.0	
20	QPSK	100	0	22.23	22.27	22.25			
20	16QAM	1	1	21.71	21.83	21.80	23.0	1.0	
20	64QAM	1	1	20.30	20.42	20.27	21.5	2.5	
20	256QAM	1	1	18.86	19.01	18.94	19.5	4.5	
Channel				501500	507000	512500	1 MPR-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24.0	0.0	
15	PI/2 BPSK	1	1	22.98	23.11	23.09	24.0	0.0	
Channel				501000	507000	513000	1 MPR-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	24.0	0.0	
10	PI/2 BPSK	1	1	22.85	22.92	23.07	24.0	0.0	
Channel				500500	507000	513500	1 MPR-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	24.0	0.0	
5	PI/2 BPSK	1	1	23.01	23.14	23.24	24.0	0.0	

n7_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	23.8	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	21.93	22.06	21.98	23.8	0.0	
20	PI/2 BPSK	1	53	22.18	22.26	22.25			
20	PI/2 BPSK	1	104	22.05	21.97	22.24			
20	PI/2 BPSK	50	0	21.58	21.64	21.68			
20	PI/2 BPSK	50	28	22.21	22.25	22.18	23.3	0.5	
20	PI/2 BPSK	50	56	21.74	21.65	21.74	23.8	0.0	
20	PI/2 BPSK	100	0	21.65	21.75	21.64	23.3	0.5	
20	QPSK	1	1	21.90	22.05	21.98			
20	QPSK	1	53	22.11	22.09	22.12	23.8	0.0	
20	QPSK	1	104	22.01	21.97	22.14			
20	QPSK	50	0	20.98	21.12	21.13			
20	QPSK	50	28	22.14	22.16	22.21			
20	QPSK	50	56	21.18	21.06	21.22	23.8	0.0	
20	QPSK	100	0	21.11	21.15	21.22	22.8	1.0	
20	16QAM	1	1	20.63	20.75	20.66			
20	64QAM	1	1	19.15	19.36	19.23	22.8	1.0	
20	256QAM	1	1	17.78	17.92	17.82	21.3	2.5	
20	256QAM	1	1	17.78	17.92	17.82	19.3	4.5	
Channel				501500	507000	512500	1 MPR-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	23.8	0.0	
15	PI/2 BPSK	1	1	22.08	22.06	22.00	23.8	0.0	
Channel				501000	507000	513000	1 MPR-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	23.8	0.0	
10	PI/2 BPSK	1	1	21.99	21.85	21.96	23.8	0.0	
Channel				500500	507000	513500	1 MPR-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	23.8	0.0	
5	PI/2 BPSK	1	1	22.07	22.05	22.07	23.8	0.0	



Conducted Default Power for EN-DC 5G NSA

n66_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	22.91	22.93	22.87			
40	PI/2 BPSK	1	108	23.32	23.36	23.33	24.0	0.0	
40	PI/2 BPSK	1	214	22.87	22.92	23.04			
40	PI/2 BPSK	108	0	22.65	22.71	22.75	23.5	0.5	
40	PI/2 BPSK	108	54	23.30	23.33	23.28	24.0	0.0	
40	PI/2 BPSK	108	108	22.73	22.61	22.76			
40	PI/2 BPSK	216	0	22.75	22.77	22.69	23.5	0.5	
40	QPSK	1	1	22.85	22.87	22.86			
40	QPSK	1	108	23.27	23.28	23.29	24.0	0.0	
40	QPSK	1	214	22.85	22.87	23.04			
40	QPSK	108	0	22.27	22.31	22.40	23.0	1.0	
40	QPSK	108	54	23.27	23.27	23.34	24.0	0.0	
40	QPSK	108	108	22.40	22.27	22.41			
40	QPSK	216	0	22.32	22.27	22.36	23.0	1.0	
40	16QAM	1	1	21.61	21.74	21.72	23.0	1.0	
40	64QAM	1	1	20.26	20.32	20.28	21.5	2.5	
40	256QAM	1	1	18.88	18.87	18.83	19.5	4.5	
Channel				345000	349000	353000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PI/2 BPSK	1	1	22.79	22.81	22.69	24.0	0.0	
Channel				344500	349000	353500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	PI/2 BPSK	1	1	22.71	22.79	22.64	24.0	0.0	
Channel				344000	349000	354000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	22.67	22.68	22.68	24.0	0.0	
Channel				343500	349000	354500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PI/2 BPSK	1	1	22.65	22.94	22.94	24.0	0.0	
Channel				343000	349000	355000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PI/2 BPSK	1	1	22.69	22.92	22.86	24.0	0.0	
Channel				342500	349000	355500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PI/2 BPSK	1	1	22.95	22.84	22.84	24.0	0.0	

n66_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	349000	353000			
Frequency (MHz)				1725	1745	1765			
40	PI/2 BPSK	1	1	21.74	21.72	21.72			
40	PI/2 BPSK	1	108	22.19	22.21	22.16	23.6	0.0	
40	PI/2 BPSK	1	214	21.80	21.71	21.83			
40	PI/2 BPSK	108	0	21.62	21.55	21.66	23.1	0.5	
40	PI/2 BPSK	108	54	22.14	22.15	22.11	23.6	0.0	
40	PI/2 BPSK	108	108	21.63	21.39	21.59			
40	PI/2 BPSK	216	0	21.55	21.58	21.55	23.1	0.5	
40	QPSK	1	1	21.75	21.74	21.67			
40	QPSK	1	108	22.13	22.13	22.08	23.6	0.0	
40	QPSK	1	214	21.77	21.73	21.78			
40	QPSK	108	0	21.21	21.16	21.26	22.6	1.0	
40	QPSK	108	54	22.10	22.10	22.15	23.6	0.0	
40	QPSK	108	108	21.25	21.05	21.21			
40	QPSK	216	0	21.27	21.04	21.24	22.6	1.0	
40	16QAM	1	1	20.55	20.62	20.56	22.6	1.0	
40	64QAM	1	1	19.16	19.22	19.13	21.1	2.5	
40	256QAM	1	1	17.78	17.79	17.66	19.1	4.5	
Channel				345000	349000	353000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PI/2 BPSK	1	1	21.81	21.86	21.71	23.6	0.0	
Channel				344500	349000	353500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	PI/2 BPSK	1	1	21.61	21.65	21.59	23.6	0.0	
Channel				344000	349000	354000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	21.71	21.67	21.73	23.6	0.0	
Channel				343500	349000	354500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PI/2 BPSK	1	1	21.73	21.70	21.63	23.6	0.0	
Channel				343000	349000	355000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PI/2 BPSK	1	1	21.72	21.66	21.62	23.6	0.0	
Channel				342500	349000	355500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PI/2 BPSK	1	1	21.66	21.67	21.72	23.6	0.0	



Conducted Default Power for EN-DC 5G NSA

Par27Q n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		23.05				
100	PI/2 BPSK	1	137		23.76		24.8	0.0	
100	PI/2 BPSK	1	271		22.86				
100	PI/2 BPSK	135	0		23.29		24.3	0.5	
100	PI/2 BPSK	135	69		23.72		24.8	0.0	
100	PI/2 BPSK	135	138		23.33		24.3	0.5	
100	PI/2 BPSK	270	0		23.32				
100	QPSK	1	1		23.05				
100	QPSK	1	137		23.72		24.8	0.0	
100	QPSK	1	271		22.80				
100	QPSK	135	0		22.81				
100	QPSK	135	69		23.71		24.8	0.0	
100	QPSK	135	138		22.83				
100	QPSK	270	0		22.76		23.8	1.0	
100	16QAM	1	1		21.95		23.8	1.0	
100	64QAM	1	1		20.72		22.3	2.5	
100	256QAM	1	1		19.19		20.3	4.5	
Channel				633000	633334	633666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1		23.13	23.01	23.12	24.8	
Channel				632668	633334	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	PI/2 BPSK	1	1		23.12	23.09	23.10	24.8	
Channel				632000	633334	634666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1		23.04	23.02	23.02	24.8	
Channel				631668	633334	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1		23.07	23.08	23.10	24.8	
Channel				631334	633334	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1		23.04	23.02	23.06	24.8	
Channel				631000	633334	635666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1		23.15	23.09	23.01	24.8	
Channel				630668	633334	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1		22.78	22.72	22.82	24.8	
Channel				630500	636666	642832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48			
15	PI/2 BPSK	1	1		22.85	22.74	22.73	24.8	
Channel				630334	636666	643000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645			
10	PI/2 BPSK	1	1		22.82	22.71	22.79	24.8	

Part27O n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		22.70				
100	PI/2 BPSK	1	137		23.51		24.8	0.0	
100	PI/2 BPSK	1	271		22.62				
100	PI/2 BPSK	135	0		23.12		24.3	0.5	
100	PI/2 BPSK	135	69		23.51		24.8	0.0	
100	PI/2 BPSK	135	138		23.09		24.3	0.5	
100	PI/2 BPSK	270	0		23.09				
100	QPSK	1	1		22.70				
100	QPSK	1	137		23.43		24.8	0.0	
100	QPSK	1	271		22.60				
100	QPSK	135	0		22.29				
100	QPSK	135	69		23.46		24.8	0.0	
100	QPSK	135	138		22.29				
100	QPSK	270	0		22.57		23.8	1.0	
100	16QAM	1	1		21.73		23.8	1.0	
100	64QAM	1	1		20.64		22.3	2.5	
100	256QAM	1	1		19.19		20.3	4.5	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1		22.85	22.81	22.73	24.8	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1		22.76	22.72	22.75	24.8	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1		22.83	22.72	22.75	24.8	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1		22.81	22.81	22.81	24.8	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1		22.77	22.72	22.73	24.8	
Channel				647668	650000	652332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98			
30	PI/2 BPSK	1	1		22.75	22.74	22.75	24.8	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	PI/2 BPSK	1	1		22.75	22.74	22.71	24.8	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1		22.85	22.81	22.77	24.8	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1		22.75	22.78	22.73	24.8	



Conducted Default Power for EN-DC 5G NSA

Par27Q n78_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		18.95				
100	PI/2 BPSK	1	137		19.73		21.5	0.0	
100	PI/2 BPSK	1	271		18.65				
100	PI/2 BPSK	135	0		18.97		21.0	0.5	
100	PI/2 BPSK	135	69		19.63		21.5	0.0	
100	PI/2 BPSK	135	138		18.89		21.0	0.5	
100	PI/2 BPSK	270	0		19.71				
100	QPSK	1	1		18.92				
100	QPSK	1	137		19.63		21.5	0.0	
100	QPSK	1	271		18.61				
100	QPSK	135	0		18.41				
100	QPSK	135	69		19.52		21.5	0.0	
100	QPSK	135	138		18.33				
100	QPSK	270	0		18.29		20.5	1.0	
100	16QAM	1	1		18.46		20.5	1.0	
100	64QAM	1	1		17.24		19.0	2.5	
100	256QAM	1	1		15.27		17.0	4.5	
Channel				633000	633334	633666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1		18.92	18.89	18.91	21.5	
Channel				632668	633334	634000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	PI/2 BPSK	1	1		18.87	18.88	18.94	21.5	
Channel				632000	633334	634666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1		18.93	18.89	18.90	21.5	
Channel				631668	633334	635000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1		18.93	18.93	18.93	21.5	
Channel				631334	633334	635332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1		18.92	18.88	18.94	21.5	
Channel				631000	633334	635666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1		18.87	18.92	18.91	21.5	
Channel				630668	633334	636000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1		19.67	19.66	19.65	21.5	
Channel				630500	636666	642832	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48			
15	PI/2 BPSK	1	1		19.65	19.70	19.65	21.5	
Channel				630334	636666	643000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645			
10	PI/2 BPSK	1	1		19.71	19.69	19.72	21.5	

Par27O n78_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		19.22				
100	PI/2 BPSK	1	137		20.20		21.5	0.0	
100	PI/2 BPSK	1	271		19.32				
100	PI/2 BPSK	135	0		19.46		21.0	0.5	
100	PI/2 BPSK	135	69		20.18		21.5	0.0	
100	PI/2 BPSK	135	138		19.42		21.0	0.5	
100	PI/2 BPSK	270	0		19.42				
100	QPSK	1	1		19.22				
100	QPSK	1	137		20.16		21.5	0.0	
100	QPSK	1	271		19.28				
100	QPSK	135	0		18.88				
100	QPSK	135	69		20.09		21.5	0.0	
100	QPSK	135	138		18.83				
100	QPSK	270	0		18.81		20.5	1.0	
100	16QAM	1	1		18.80		20.5	1.0	
100	64QAM	1	1		18.81		19.0	2.5	
100	256QAM	1	1		15.33		17.0	4.5	
Channel				649668	650000	650332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1		19.20	19.17	19.15	21.5	
Channel				649334	650000	650666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1		19.13	19.16	19.21	21.5	
Channel				648668	650000	651332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1		19.15	19.17	19.13	21.5	
Channel				648334	650000	651666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1		19.13	19.19	19.14	21.5	
Channel				648000	650000	652000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1		19.15	19.19	19.21	21.5	
Channel				647668	650000	652332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98			
30	PI/2 BPSK	1	1		19.21	19.14	19.13	21.5	
Channel				647334	650000	652666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	PI/2 BPSK	1	1		20.16	20.17	20.17	21.5	
Channel				647168	650000	652832	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1		20.12	20.13	20.17	21.5	
Channel				647000	650000	653000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1		20.19	20.12	20.12	21.5	



Conducted Default Power for EN-DC 5G NSA

Par27Q n78_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334				
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		19.52				
100	PI/2 BPSK	1	137		20.86		22.5	0.0	
100	PI/2 BPSK	1	271		19.87				
100	PI/2 BPSK	135	0		19.81		22.0	0.5	
100	PI/2 BPSK	135	69		20.83		22.5	0.0	
100	PI/2 BPSK	135	138		20.03		22.0	0.5	
100	PI/2 BPSK	270	0		20.03				
100	QPSK	1	1		19.46				
100	QPSK	1	137		20.86		22.5	0.0	
100	QPSK	1	271		19.82				
100	QPSK	135	0		19.21				
100	QPSK	135	69		20.59		22.5	0.0	
100	QPSK	135	138		19.41				
100	QPSK	270	0		19.26		21.5	1.0	
100	16QAM	1	1		18.17		21.5	1.0	
100	64QAM	1	1		17.64		20.0	2.5	
100	256QAM	1	1		15.82		18.0	4.5	
Channel				633000	633334	633666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1		19.96	19.95	19.93	22.5	
Channel				632668	633334	634000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	PI/2 BPSK	1	1		19.94	19.92	19.88	22.5	
Channel				632000	633334	634666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1		19.93	19.86	19.94	22.5	
Channel				631668	633334	635000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1		20.00	19.86	19.88	22.5	
Channel				631334	633334	635332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1		19.90	19.95	19.96	22.5	
Channel				631000	633334	635666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1		19.99	19.92	19.91	22.5	
Channel				630668	633334	636000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1		19.97	19.92	19.95	22.5	
Channel				630500	636666	642832	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48			
15	PI/2 BPSK	1	1		19.92	19.90	19.88	22.5	
Channel				630334	636666	643000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645			
10	PI/2 BPSK	1	1		20.00	19.89	19.90	22.5	

Part27O n78_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		19.76				
100	PI/2 BPSK	1	137		20.85		22.5	0.0	
100	PI/2 BPSK	1	271		19.54				
100	PI/2 BPSK	135	0		19.85		22.0	0.5	
100	PI/2 BPSK	135	69		20.81		22.5	0.0	
100	PI/2 BPSK	135	138		19.82		22.0	0.5	
100	PI/2 BPSK	270	0		20.05				
100	QPSK	1	1		19.68				
100	QPSK	1	137		20.82		22.5	0.0	
100	QPSK	1	271		19.49				
100	QPSK	135	0		19.24				
100	QPSK	135	69		20.46		22.5	0.0	
100	QPSK	135	138		19.18				
100	QPSK	270	0		19.12		21.5	1.0	
100	16QAM	1	1		18.39		21.5	1.0	
100	64QAM	1	1		17.45		20.0	2.5	
100	256QAM	1	1		15.84		18.0	4.5	
Channel				649668	650000	650332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1		19.92	19.93	19.93	22.5	
Channel				649334	650000	650666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1		20.01	19.89	19.94	22.5	
Channel				648668	650000	651332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1		20.00	20.00	20.01	22.5	
Channel				648334	650000	651666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1		20.03	19.99	19.99	22.5	
Channel				648000	650000	652000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1		19.99	20.03	20.01	22.5	
Channel				647668	650000	652332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98			
30	PI/2 BPSK	1	1		20.02	20.01	20.01	22.5	
Channel				647334	650000	652666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	PI/2 BPSK	1	1		20.80	20.78	20.82	22.5	
Channel				647168	650000	652832	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1		19.96	19.86	19.93	22.5	
Channel				647000	650000	653000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1		20.00	19.88	19.92	22.5	



Conducted Default Power for EN-DC 5G NSA

Par27Q n78_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	3500.01				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		20.09				
100	PI/2 BPSK	1	137		21.41		22.8	0.0	
100	PI/2 BPSK	1	271		20.51				
100	PI/2 BPSK	135	0		20.49		22.3	0.5	
100	PI/2 BPSK	135	69		21.39		22.8	0.0	
100	PI/2 BPSK	135	138		20.63		22.3	0.5	
100	PI/2 BPSK	270	0		20.53				
100	QPSK	1	1		20.06				
100	QPSK	1	137		21.22		22.8	0.0	
100	QPSK	1	271		20.43				
100	QPSK	135	0		19.89				
100	QPSK	135	69		21.25		22.8	0.0	
100	QPSK	135	138		20.11				
100	QPSK	270	0		20.19		21.8	1.0	
100	16QAM	1	1		19.03		21.8	1.0	
100	64QAM	1	1		17.57		20.3	2.5	
100	256QAM	1	1		16.45		18.3	4.5	
Channel				633000	633334	633666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	22.8		
90	PI/2 BPSK	1	1	20.57	20.57	20.51	22.8	0.0	
Channel				632668	633334	634000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510	22.8		
80	PI/2 BPSK	1	1	20.71	20.72	20.75	22.8	0.0	
Channel				632000	633334	634666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	22.8		
60	PI/2 BPSK	1	1	20.83	20.83	20.91	22.8	0.0	
Channel				631668	633334	635000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	22.8		
50	PI/2 BPSK	1	1	21.02	21.03	21.04	22.8	0.0	
Channel				631334	633334	635332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	22.8		
40	PI/2 BPSK	1	1	20.79	20.81	20.88	22.8	0.0	
Channel				631000	633334	635666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99	22.8		
30	PI/2 BPSK	1	1	20.50	20.54	20.59	22.8	0.0	
Channel				630668	633334	636000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	22.8		
20	PI/2 BPSK	1	1	20.46	20.59	20.60	22.8	0.0	
Channel				630500	636666	642832	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48	22.8		
15	PI/2 BPSK	1	1	20.52	20.59	20.54	22.8	0.0	
Channel				630334	636666	643000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645	22.8		
10	PI/2 BPSK	1	1	20.96	21.10	21.02	22.8	0.0	

Part27O n78_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		20.08				
100	PI/2 BPSK	1	137		21.05		22.8	0.0	
100	PI/2 BPSK	1	271		20.21				
100	PI/2 BPSK	135	0		20.31		22.3	0.5	
100	PI/2 BPSK	135	69		21.05		22.8	0.0	
100	PI/2 BPSK	135	138		20.38		22.3	0.5	
100	PI/2 BPSK	270	0		20.31				
100	QPSK	1	1		20.06				
100	QPSK	1	137		20.92		22.8	0.0	
100	QPSK	1	271		20.17				
100	QPSK	135	0		19.73				
100	QPSK	135	69		21.01		22.8	0.0	
100	QPSK	135	138		19.77				
100	QPSK	270	0		19.79		21.8	1.0	
100	16QAM	1	1		18.82		21.8	1.0	
100	64QAM	1	1		17.68		20.3	2.5	
100	256QAM	1	1		16.24		18.3	4.5	
Channel				649668	650000	650332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	22.8		
90	PI/2 BPSK	1	1	20.26	20.18	20.16	22.8	0.0	
Channel				649334	650000	650666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	22.8		
80	PI/2 BPSK	1	1	20.38	20.29	20.23	22.8	0.0	
Channel				648668	650000	651332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	22.8		
60	PI/2 BPSK	1	1	20.52	20.60	20.59	22.8	0.0	
Channel				648334	650000	651666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	22.8		
50	PI/2 BPSK	1	1	20.54	20.51	20.60	22.8	0.0	
Channel				648000	650000	652000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	22.8		
40	PI/2 BPSK	1	1	20.56	20.35	20.34	22.8	0.0	
Channel				647668	650000	652332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98	22.8		
30	PI/2 BPSK	1	1	20.47	20.50	20.51	22.8	0.0	
Channel				647334	650000	652666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	22.8		
20	PI/2 BPSK	1	1	20.55	20.57	20.60	22.8	0.0	
Channel				647168	650000	652832	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	22.8		
15	PI/2 BPSK	1	1	20.57	20.56	20.52	22.8	0.0	
Channel				647000	650000	653000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	22.8		
10	PI/2 BPSK	1	1	20.54	20.49	20.53	22.8	0.0	



Reduced Power for DSI 2

n7_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	15.32	15.36	15.31	16.0	0.0	
20	PI/2 BPSK	1	53	15.38	15.42	15.37			
20	PI/2 BPSK	1	104	15.29	15.33	15.31			
20	PI/2 BPSK	50	0	15.27	15.32	15.26			
20	PI/2 BPSK	50	28	15.34	15.41	15.30	16.0	0.0	
20	PI/2 BPSK	50	56	15.32	15.36	15.27	16.0	0.0	
20	PI/2 BPSK	100	0	15.28	15.36	15.27	16.0	0.0	
20	QPSK	1	1	15.25	15.36	15.22	16.0	0.0	
20	QPSK	1	53	15.25	15.40	15.21			
20	QPSK	1	104	15.30	15.33	15.26			
20	QPSK	50	0	15.32	15.32	15.23			
20	QPSK	50	28	15.27	15.40	15.22	16.0	0.0	
20	QPSK	50	56	15.32	15.40	15.27	16.0	0.0	
20	QPSK	100	0	15.29	15.32	15.24	16.0	0.0	
20	16QAM	1	1	15.28	15.33	15.27	16.0	0.0	
20	64QAM	1	1	15.25	15.34	15.23	16.0	0.0	
20	256QAM	1	1	15.30	15.38	15.26	16.0	0.0	
Channel				501500	507000	512500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	16.0	0.0	
15	PI/2 BPSK	1	1	15.30	15.37	15.30	16.0	0.0	
Channel				501000	507000	513000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	16.0	0.0	
10	PI/2 BPSK	1	1	15.30	15.34	15.34	16.0	0.0	
Channel				500500	507000	513500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	16.0	0.0	
5	PI/2 BPSK	1	1	15.37	15.41	15.28	16.0	0.0	

n7_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	13.3	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	11.74	11.79	11.68			
20	PI/2 BPSK	1	53	11.81	11.83	11.74	13.3	0.0	
20	PI/2 BPSK	1	104	11.80	11.74	11.67			
20	PI/2 BPSK	50	0	11.72	11.69	11.67			
20	PI/2 BPSK	50	28	11.76	11.78	11.73	13.3	0.0	
20	PI/2 BPSK	50	56	11.75	11.74	11.66	13.3	0.0	
20	PI/2 BPSK	100	0	11.71	11.72	11.69	13.3	0.0	
20	QPSK	1	1	11.67	11.73	11.66	13.3	0.0	
20	QPSK	1	53	11.71	11.70	11.69			
20	QPSK	1	104	11.72	11.73	11.67			
20	QPSK	50	0	11.71	11.76	11.65	12.3	1.0	
20	QPSK	50	28	11.72	11.71	11.69	13.3	0.0	
20	QPSK	50	56	11.73	11.69	11.68	12.3	1.0	
20	QPSK	100	0	11.71	11.73	11.69			
20	16QAM	1	1	11.75	11.75	11.64			
20	64QAM	1	1	11.69	11.72	11.67	13.3	0.0	
20	256QAM	1	1	11.74	11.75	11.65	13.3	0.0	
Channel				501500	507000	512500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	13.3	0.0	
15	PI/2 BPSK	1	1	11.71	11.73	11.64			
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565	13.3	0.0	
10	PI/2 BPSK	1	1	11.74	11.77	11.72			
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5	13.3	0.0	
5	PI/2 BPSK	1	1	11.71	11.69	11.69			



Reduced Power for DSI 2

n66_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000	16.5	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	15.75	15.81	15.81	16.5	0.0	
40	PI/2 BPSK	1	108	15.76	15.85	15.82			
40	PI/2 BPSK	1	214	15.71	15.81	15.78	16.5	0.0	
40	PI/2 BPSK	108	0	15.68	15.69	15.74			
40	PI/2 BPSK	108	54	15.71	15.76	15.75	16.5	0.0	
40	PI/2 BPSK	108	108	15.63	15.68	15.67			
40	PI/2 BPSK	216	0	15.69	15.71	15.68	16.5	0.0	
40	QPSK	1	1	15.70	15.74	15.72		0.0	
40	QPSK	1	108	15.63	15.69	15.69	16.5	0.0	
40	QPSK	1	214	15.68	15.67	15.72			
40	QPSK	108	0	15.68	15.71	15.70	16.5	0.0	
40	QPSK	108	54	15.70	15.69	15.70			
40	QPSK	108	108	15.68	15.74	15.69	16.5	0.0	
40	QPSK	216	0	15.69	15.69	15.67			
40	16QAM	1	1	15.69	15.74	15.72	16.5	0.0	
40	64QAM	1	1	15.67	15.75	15.72			
40	256QAM	1	1	15.67	15.69	15.69	16.5	0.0	
Channel				345000	349000	353000		MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PI/2 BPSK	1	1	15.65	15.72	15.67	16.5	0.0	
Channel				344500	349000	353500		MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	PI/2 BPSK	1	1	15.70	15.73	15.74	16.5	0.0	
Channel				344000	349000	354000		MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	15.66	15.72	15.68	16.5	0.0	
Channel				343500	349000	354500		MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PI/2 BPSK	1	1	15.65	15.74	15.67	16.5	0.0	
Channel				343000	349000	355000		MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PI/2 BPSK	1	1	15.62	15.68	15.74	16.5	0.0	
Channel				342500	349000	355500		MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PI/2 BPSK	1	1	15.70	15.68	15.74	16.5	0.0	

n66_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	349000	353000	15.6	0.0	
Frequency (MHz)				1725	1745	1765			
40	PI/2 BPSK	1	1	14.10	14.20	14.10	15.6	0.0	
40	PI/2 BPSK	1	108	14.17	14.21	14.18			
40	PI/2 BPSK	1	214	14.16	14.20	14.12	15.6	0.0	
40	PI/2 BPSK	108	0	14.01	14.17	14.08			
40	PI/2 BPSK	108	54	14.09	14.18	14.09	15.6	0.0	
40	PI/2 BPSK	108	108	14.05	14.10	14.06			
40	PI/2 BPSK	216	0	14.04	14.15	14.05	15.6	0.0	
40	QPSK	1	1	14.03	14.11	14.07		0.0	
40	QPSK	1	108	14.08	14.12	14.02	15.6	0.0	
40	QPSK	1	214	14.03	14.13	14.08			
40	QPSK	108	0	14.05	14.09	14.00	15.6	0.0	
40	QPSK	108	54	14.04	14.12	14.07			
40	QPSK	108	108	14.07	14.15	14.07	15.6	0.0	
40	QPSK	216	0	14.04	14.15	14.04			
40	16QAM	1	1	14.03	14.12	14.06	15.6	0.0	
40	64QAM	1	1	14.04	14.15	14.07		0.0	
40	256QAM	1	1	14.06	14.13	14.04			
Channel				345000	349000	353000	15.6	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PI/2 BPSK	1	1	14.00	14.17	14.03	15.6	0.0	
Channel				344500	349000	353500		MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	PI/2 BPSK	1	1	14.02	14.12	14.06	15.6	0.0	
Channel				344000	349000	354000		MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	14.00	14.15	14.08	15.6	0.0	
Channel				343500	349000	354500		MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PI/2 BPSK	1	1	14.07	14.16	14.08	15.6	0.0	
Channel				343000	349000	355000		MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PI/2 BPSK	1	1	14.08	14.11	14.03	15.6	0.0	
Channel				342500	349000	355500		MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PI/2 BPSK	1	1	14.03	14.17	14.06	15.6	0.0	



Reduced Power for DSI 2

Par27Q n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	3500.01				
Frequency (MHz)					14.07				
100	PI/2 BPSK	1	1		14.07				
100	PI/2 BPSK	1	137		14.15		15.3	0.0	
100	PI/2 BPSK	1	271		14.08				
100	PI/2 BPSK	135	0		14.07		15.3	0.0	
100	PI/2 BPSK	135	69		14.10		15.3	0.0	
100	PI/2 BPSK	135	138		14.06		15.3	0.0	
100	PI/2 BPSK	270	0		14.07				
100	QPSK	1	1		14.05				
100	QPSK	1	137		14.01		15.3	0.0	
100	QPSK	1	271		14.07				
100	QPSK	135	0		14.07				
100	QPSK	135	69		14.09		15.3	0.0	
100	QPSK	135	138		14.03				
100	QPSK	270	0		14.06		15.3	0.0	
100	16QAM	1	1		14.07		15.3	0.0	
100	64QAM	1	1		14.07		15.3	0.0	
100	256QAM	1	1		14.02		15.3	0.0	
Channel				633000	633334	633666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1		14.04	14.04	14.02	15.3	
Channel				632668	633334	634000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	PI/2 BPSK	1	1		14.00	13.96	13.93	15.3	
Channel				632000	633334	634666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1		14.02	13.96	14.00	15.3	
Channel				631668	633334	635000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1		14.01	13.97	13.96	15.3	
Channel				631334	633334	635332	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1		13.95	13.95	13.93	15.3	
Channel				631000	633334	635666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1		13.97	13.98	14.01	15.3	
Channel				630668	633334	636000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1		13.95	13.95	13.95	15.3	
Channel				630500	636666	642832	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48			
15	PI/2 BPSK	1	1		14.03	14.02	14.01	15.3	
Channel				630334	636666	643000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645			
10	PI/2 BPSK	1	1		14.03	13.97	13.93	15.3	

Part27O n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		13.91				
100	PI/2 BPSK	1	137		13.98		15.3	0.0	
100	PI/2 BPSK	1	271		13.95				
100	PI/2 BPSK	135	0		13.86		15.3	0.0	
100	PI/2 BPSK	135	69		13.95		15.3	0.0	
100	PI/2 BPSK	135	138		13.86		15.3	0.0	
100	PI/2 BPSK	270	0		13.94				
100	QPSK	1	1		13.86				
100	QPSK	1	137		13.88		15.3	0.0	
100	QPSK	1	271		13.93				
100	QPSK	135	0		13.94				
100	QPSK	135	69		13.94		15.3	0.0	
100	QPSK	135	138		13.94				
100	QPSK	270	0		13.93		15.3	0.0	
100	16QAM	1	1		13.88		15.3	0.0	
100	64QAM	1	1		13.87		15.3	0.0	
100	256QAM	1	1		13.88		15.3	0.0	
Channel				649668	650000	650332	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1		13.92	14.02	13.96	15.3	
Channel				649334	650000	650666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1		13.89	13.95	14.01	15.3	
Channel				648668	650000	651332	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1		13.89	14.00	13.99	15.3	
Channel				648334	650000	651666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1		13.86	13.99	13.98	15.3	
Channel				648000	650000	652000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1		13.94	14.01	14.00	15.3	
Channel				647668	650000	652332	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98			
30	PI/2 BPSK	1	1		13.88	14.03	14.00	15.3	
Channel				647334	650000	652666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	PI/2 BPSK	1	1		13.87	13.96	14.01	15.3	
Channel				647168	650000	652832	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1		13.93	14.01	13.96	15.3	
Channel				647000	650000	653000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1		13.87	13.98	13.98	15.3	

Par27Q n78_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668	14.0	0.0	
Frequency (MHz)				3495	3500.01	3504.99			
100	PI/2 BPSK	1	1	12.31	12.31	12.31	14.0	0.0	
100	PI/2 BPSK	1	137	12.32	12.32	12.32			
100	PI/2 BPSK	1	271	12.29	12.29	12.29	14.0	0.0	
100	PI/2 BPSK	135	0	12.16	12.16	12.16			
100	PI/2 BPSK	135	69	12.25	12.25	12.25	14.0	0.0	
100	PI/2 BPSK	135	138	12.22	12.22	12.22			
100	PI/2 BPSK	270	0	12.18	12.18	12.18	14.0	0.0	
100	QPSK	1	1	12.20	12.20	12.20			
100	QPSK	1	137	12.17	12.17	12.17	14.0	0.0	
100	QPSK	1	271	12.18	12.18	12.18			
100	QPSK	135	0	12.21	12.21	12.21	14.0	0.0	
100	QPSK	135	69	12.23	12.23	12.23			
100	QPSK	135	138	12.16	12.16	12.16	14.0	0.0	
100	QPSK	270	0	12.22	12.22	12.22			
100	16QAM	1	1	12.17	12.17	12.17	14.0	0.0	
100	64QAM	1	1	12.21	12.21	12.21	14.0	0.0	
100	256QAM	1	1	12.19	12.19	12.19	14.0	0.0	
Channel				633000	633334	633668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	14.0	0.0	
90	PI/2 BPSK	1	1	12.28	12.28	12.27	14.0	0.0	
Channel				632668	633334	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510	14.0	0.0	
80	PI/2 BPSK	1	1	12.25	12.24	12.31	14.0	0.0	
Channel				632000	633334	634668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	14.0	0.0	
60	PI/2 BPSK	1	1	12.30	12.29	12.28	14.0	0.0	
Channel				631668	633334	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	14.0	0.0	
50	PI/2 BPSK	1	1	12.27	12.27	12.27	14.0	0.0	
Channel				631334	633334	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	14.0	0.0	
40	PI/2 BPSK	1	1	12.26	12.26	12.28	14.0	0.0	
Channel				631000	633334	635668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99	14.0	0.0	
30	PI/2 BPSK	1	1	12.27	12.29	12.28	14.0	0.0	
Channel				630668	633334	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	14.0	0.0	
20	PI/2 BPSK	1	1	12.30	12.23	12.26	14.0	0.0	
Channel				630500	636666	642832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48	14.0	0.0	
15	PI/2 BPSK	1	1	12.31	12.24	12.26	14.0	0.0	
Channel				630334	636666	643000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645	14.0	0.0	
10	PI/2 BPSK	1	1	12.31	12.30	12.27	14.0	0.0	

Par27O n78_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	14.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	12.67	12.67	12.67	14.0	0.0	
100	PI/2 BPSK	1	137	12.73	12.73	12.73			
100	PI/2 BPSK	1	271	12.64	12.64	12.64	14.0	0.0	
100	PI/2 BPSK	135	0	12.63	12.63	12.63			
100	PI/2 BPSK	135	69	12.72	12.72	12.72	14.0	0.0	
100	PI/2 BPSK	135	138	12.69	12.69	12.69			
100	PI/2 BPSK	270	0	12.68	12.68	12.68	14.0	0.0	
100	QPSK	1	1	12.70	12.70	12.70			
100	QPSK	1	137	12.65	12.65	12.65	14.0	0.0	
100	QPSK	1	271	12.63	12.63	12.63			
100	QPSK	135	0	12.68	12.68	12.68	14.0	0.0	
100	QPSK	135	69	12.65	12.65	12.65			
100	QPSK	135	138	12.70	12.70	12.70	14.0	0.0	
100	QPSK	270	0	12.65	12.65	12.65			
100	16QAM	1	1	12.71	12.71	12.71	14.0	0.0	
100	64QAM	1	1	12.68	12.68	12.68	14.0	0.0	
100	256QAM	1	1	12.69	12.69	12.69	14.0	0.0	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	14.0	0.0	
90	PI/2 BPSK	1	1	12.72	12.70	12.66	14.0	0.0	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	14.0	0.0	
80	PI/2 BPSK	1	1	12.64	12.66	12.64	14.0	0.0	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	14.0	0.0	
60	PI/2 BPSK	1	1	12.70	12.65	12.65	14.0	0.0	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	14.0	0.0	
50	PI/2 BPSK	1	1	12.69	12.71	12.67	14.0	0.0	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	14.0	0.0	
40	PI/2 BPSK	1	1	12.64	12.66	12.71	14.0	0.0	
Channel				647668	650000	652332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98	14.0	0.0	
30	PI/2 BPSK	1	1	12.69	12.70	12.71	14.0	0.0	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	14.0	0.0	
20	PI/2 BPSK	1	1	12.65	12.69	12.71	14.0	0.0	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	14.0	0.0	
15	PI/2 BPSK	1	1	12.72	12.66	12.68	14.0	0.0	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	14.0	0.0	
10	PI/2 BPSK	1	1	12.67	12.64	12.64	14.0	0.0	

Par27Q n78_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	3500.01				
Frequency (MHz)					16.37				
100	PI/2 BPSK	1	1		16.37				
100	PI/2 BPSK	1	137		16.41		18.0	0.0	
100	PI/2 BPSK	1	271		16.36				
100	PI/2 BPSK	135	0		16.25		18.0	0.0	
100	PI/2 BPSK	135	69		16.33		18.0	0.0	
100	PI/2 BPSK	135	138		16.29		18.0	0.0	
100	PI/2 BPSK	270	0		16.27		18.0	0.0	
100	QPSK	1	1		16.28				
100	QPSK	1	137		16.25		18.0	0.0	
100	QPSK	1	271		16.30				
100	QPSK	135	0		16.30				
100	QPSK	135	69		16.24		18.0	0.0	
100	QPSK	135	138		16.25				
100	QPSK	270	0		16.31		18.0	0.0	
100	16QAM	1	1		16.29		18.0	0.0	
100	64QAM	1	1		16.28		18.0	0.0	
100	256QAM	1	1		16.30		18.0	0.0	
Channel				633000	633334	633666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	18.0	0.0	
90	PI/2 BPSK	1	1	16.32	16.30	16.27	18.0	0.0	
Channel				632668	633334	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510	18.0	0.0	
80	PI/2 BPSK	1	1	16.29	16.26	16.25	18.0	0.0	
Channel				632000	633334	634666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	18.0	0.0	
60	PI/2 BPSK	1	1	16.32	16.31	16.26	18.0	0.0	
Channel				631668	633334	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	18.0	0.0	
50	PI/2 BPSK	1	1	16.29	16.31	16.25	18.0	0.0	
Channel				631334	633334	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	18.0	0.0	
40	PI/2 BPSK	1	1	16.29	16.28	16.32	18.0	0.0	
Channel				631000	633334	635666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99	18.0	0.0	
30	PI/2 BPSK	1	1	16.26	16.31	16.32	18.0	0.0	
Channel				630668	633334	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	18.0	0.0	
20	PI/2 BPSK	1	1	16.31	16.32	16.25	18.0	0.0	
Channel				630500	636666	642832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48	18.0	0.0	
15	PI/2 BPSK	1	1	16.32	16.28	16.32	18.0	0.0	
Channel				630334	636666	643000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645	18.0	0.0	
10	PI/2 BPSK	1	1	16.31	16.27	16.26	18.0	0.0	

Part27O n78_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		16.35				
100	PI/2 BPSK	1	137		16.38		18.0	0.0	
100	PI/2 BPSK	1	271		16.23				
100	PI/2 BPSK	135	0		16.12		18.0	0.0	
100	PI/2 BPSK	135	69		16.29		18.0	0.0	
100	PI/2 BPSK	135	138		16.28		18.0	0.0	
100	PI/2 BPSK	270	0		16.14		18.0	0.0	
100	QPSK	1	1		16.16				
100	QPSK	1	137		16.17		18.0	0.0	
100	QPSK	1	271		16.18				
100	QPSK	135	0		16.21				
100	QPSK	135	69		16.12		18.0	0.0	
100	QPSK	135	138		16.22				
100	QPSK	270	0		16.29		18.0	0.0	
100	16QAM	1	1		16.26		18.0	0.0	
100	64QAM	1	1		16.18		18.0	0.0	
100	256QAM	1	1		16.22		18.0	0.0	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	18.0	0.0	
90	PI/2 BPSK	1	1	16.36	16.34	16.34	18.0	0.0	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	18.0	0.0	
80	PI/2 BPSK	1	1	16.34	16.30	16.33	18.0	0.0	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	18.0	0.0	
60	PI/2 BPSK	1	1	16.34	16.29	16.30	18.0	0.0	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	18.0	0.0	
50	PI/2 BPSK	1	1	16.33	16.31	16.34	18.0	0.0	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	18.0	0.0	
40	PI/2 BPSK	1	1	16.34	16.34	16.29	18.0	0.0	
Channel				647668	650000	652332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98	18.0	0.0	
30	PI/2 BPSK	1	1	16.30	16.35	16.36	18.0	0.0	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	18.0	0.0	
20	PI/2 BPSK	1	1	16.31	16.34	16.29	18.0	0.0	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	18.0	0.0	
15	PI/2 BPSK	1	1	16.35	16.37	16.34	18.0	0.0	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	18.0	0.0	
10	PI/2 BPSK	1	1	16.30	16.31	16.36	18.0	0.0	



Reduced Power for DSI 2

Par27Q n78_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	3500.01				
Frequency (MHz)					12.64				
100	PI/2 BPSK	1	1		12.64				
100	PI/2 BPSK	1	137		12.71		13.8	0.0	
100	PI/2 BPSK	1	271		12.65				
100	PI/2 BPSK	135	0		12.68		13.8	0.0	
100	PI/2 BPSK	135	69		12.69		13.8	0.0	
100	PI/2 BPSK	135	138		12.64		13.8	0.0	
100	PI/2 BPSK	270	0		12.60				
100	QPSK	1	1		12.60				
100	QPSK	1	137		12.67		13.8	0.0	
100	QPSK	1	271		12.68				
100	QPSK	135	0		12.68				
100	QPSK	135	69		12.65		13.8	0.0	
100	QPSK	135	138		12.64				
100	QPSK	270	0		12.67		13.8	0.0	
100	16QAM	1	1		12.68		13.8	0.0	
100	64QAM	1	1		12.67		13.8	0.0	
100	256QAM	1	1		12.66		13.8	0.0	
Channel				633000	633334	633666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1		12.62	12.70	12.69	13.8	
Channel				632668	633334	634000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	PI/2 BPSK	1	1		12.60	12.68	12.66	13.8	
Channel				632000	633334	634666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1		12.67	12.70	12.69	13.8	
Channel				631668	633334	635000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1		12.67	12.67	12.65	13.8	
Channel				631334	633334	635332	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1		12.65	12.69	12.70	13.8	
Channel				631000	633334	635666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1		12.67	12.64	12.70	13.8	
Channel				630668	633334	636000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1		12.60	12.63	12.62	13.8	
Channel				630500	636666	642832	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48			
15	PI/2 BPSK	1	1		12.60	12.63	12.63	13.8	
Channel				630334	636666	643000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645			
10	PI/2 BPSK	1	1		12.68	12.68	12.62	13.8	

Part27O n78_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		12.16				
100	PI/2 BPSK	1	137		12.25		13.8	0.0	
100	PI/2 BPSK	1	271		12.14				
100	PI/2 BPSK	135	0		12.21		13.8	0.0	
100	PI/2 BPSK	135	69		12.16		13.8	0.0	
100	PI/2 BPSK	135	138		12.10		13.8	0.0	
100	PI/2 BPSK	270	0		12.10				
100	QPSK	1	1		12.14				
100	QPSK	1	137		12.23		13.8	0.0	
100	QPSK	1	271		12.19				
100	QPSK	135	0		12.23				
100	QPSK	135	69		12.12		13.8	0.0	
100	QPSK	135	138		12.11				
100	QPSK	270	0		12.23		13.8	0.0	
100	16QAM	1	1		12.16		13.8	0.0	
100	64QAM	1	1		12.19		13.8	0.0	
100	256QAM	1	1		12.11		13.8	0.0	
Channel				649668	650000	650332	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1		12.22	12.20	12.17	13.8	
Channel				649334	650000	650666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1		12.23	12.21	12.24	13.8	
Channel				648668	650000	651332	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1		12.19	12.16	12.20	13.8	
Channel				648334	650000	651666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1		12.23	12.22	12.22	13.8	
Channel				648000	650000	652000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1		12.16	12.23	12.16	13.8	
Channel				647668	650000	652332	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98			
30	PI/2 BPSK	1	1		12.24	12.19	12.23	13.8	
Channel				647334	650000	652666	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	PI/2 BPSK	1	1		12.23	12.18	12.24	13.8	
Channel				647168	650000	652832	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1		12.23	12.21	12.16	13.8	
Channel				647000	650000	653000	↑ tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1		12.19	12.23	12.21	13.8	



Reduced Power for DSI 3

n7_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	13.0	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	12.30	12.34	12.24			
20	PI/2 BPSK	1	53	12.34	12.41	12.32			
20	PI/2 BPSK	1	104	12.31	12.36	12.23	13.0	0.0	
20	PI/2 BPSK	50	0	12.20	12.28	12.23			
20	PI/2 BPSK	50	28	12.27	12.35	12.28			
20	PI/2 BPSK	50	56	12.25	12.26	12.24			
20	PI/2 BPSK	100	0	12.26	12.28	12.26	13.0	0.0	
20	QPSK	1	1	12.21	12.26	12.25			
20	QPSK	1	53	12.19	12.28	12.20			
20	QPSK	1	104	12.26	12.30	12.19			
20	QPSK	50	0	12.21	12.29	12.22	13.0	0.0	
20	QPSK	50	28	12.24	12.33	12.21			
20	QPSK	50	56	12.18	12.26	12.25			
20	QPSK	100	0	12.18	12.31	12.26			
20	16QAM	1	1	12.20	12.26	12.19	13.0	0.0	
20	64QAM	1	1	12.26	12.33	12.25			
20	256QAM	1	1	12.26	12.27	12.27			
Channel				501500	507000	512500		MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	PI/2 BPSK	1	1	12.18	12.30	12.21	13.0	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	PI/2 BPSK	1	1	12.21	12.32	12.23		10.3	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5			
5	PI/2 BPSK	1	1	12.18	12.27	12.21			

n7_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	10.3	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	8.72	8.77	8.71			
20	PI/2 BPSK	1	53	8.73	8.79	8.77			
20	PI/2 BPSK	1	104	8.70	8.71	8.69	10.3	0.0	
20	PI/2 BPSK	50	0	8.61	8.71	8.66			
20	PI/2 BPSK	50	28	8.66	8.77	8.68			
20	PI/2 BPSK	50	56	8.58	8.75	8.65			
20	PI/2 BPSK	100	0	8.61	8.71	8.66	10.3	0.0	
20	QPSK	1	1	8.62	8.76	8.60			
20	QPSK	1	53	8.58	8.70	8.60			
20	QPSK	1	104	8.57	8.76	8.61			
20	QPSK	50	0	8.60	8.68	8.65	9.3	1.0	
20	QPSK	50	28	8.63	8.68	8.61			
20	QPSK	50	56	8.61	8.70	8.66			
20	QPSK	100	0	8.61	8.72	8.60			
20	16QAM	1	1	8.57	8.73	8.59	10.3	0.0	
20	64QAM	1	1	8.61	8.75	8.64			
20	256QAM	1	1	8.57	8.74	8.61			
Channel				501500	507000	512500		MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	PI/2 BPSK	1	1	8.62	8.76	8.67	10.3	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	PI/2 BPSK	1	1	8.59	8.70	8.61		10.3	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5			
5	PI/2 BPSK	1	1	8.57	8.72	8.66			



Reduced Power for DSI 3

n66_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	12.78	12.83	12.71			
40	PI/2 BPSK	1	108	12.84	12.89	12.80	13.5	0.0	
40	PI/2 BPSK	1	214	12.80	12.83	12.78			
40	PI/2 BPSK	108	0	12.70	12.80	12.66	13.5	0.0	
40	PI/2 BPSK	108	54	12.77	12.85	12.74	13.5	0.0	
40	PI/2 BPSK	108	108	12.76	12.84	12.70	13.5	0.0	
40	PI/2 BPSK	216	0	12.73	12.81	12.67			
40	QPSK	1	1	12.71	12.81	12.65			
40	QPSK	1	108	12.71	12.80	12.67	13.5	0.0	
40	QPSK	1	214	12.75	12.77	12.68			
40	QPSK	108	0	12.72	12.76	12.73	13.5	0.0	
40	QPSK	108	54	12.70	12.76	12.72	13.5	0.0	
40	QPSK	108	108	12.70	12.81	12.71			
40	QPSK	216	0	12.72	12.78	12.73	13.5	0.0	
40	16QAM	1	1	12.71	12.82	12.69	13.5	0.0	
40	64QAM	1	1	12.71	12.79	12.73	13.5	0.0	
40	256QAM	1	1	12.72	12.82	12.69	13.5	0.0	
Channel				345000	349000	353000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PI/2 BPSK	1	1	12.73	12.79	12.73	13.5	0.0	
Channel				344500	349000	353500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	PI/2 BPSK	1	1	12.76	12.79	12.67	13.5	0.0	
Channel				344000	349000	354000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	12.73	12.84	12.70	13.5	0.0	
Channel				343500	349000	354500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PI/2 BPSK	1	1	12.69	12.82	12.68	13.5	0.0	
Channel				343000	349000	355000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PI/2 BPSK	1	1	12.75	12.83	12.70	13.5	0.0	
Channel				342500	349000	355500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PI/2 BPSK	1	1	12.73	12.82	12.67	13.5	0.0	

n66_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	349000	353000			
Frequency (MHz)				1725	1745	1765			
40	PI/2 BPSK	1	1	11.16	11.18	11.19			
40	PI/2 BPSK	1	108	11.18	11.23	11.22	12.6	0.0	
40	PI/2 BPSK	1	214	11.11	11.22	11.20			
40	PI/2 BPSK	108	0	11.10	11.12	11.10	12.6	0.0	
40	PI/2 BPSK	108	54	11.17	11.19	11.16	12.6	0.0	
40	PI/2 BPSK	108	108	11.11	11.14	11.07	12.6	0.0	
40	PI/2 BPSK	216	0	11.10	11.18	11.12			
40	QPSK	1	1	11.10	11.10	11.10			
40	QPSK	1	108	11.08	11.16	11.13	12.6	0.0	
40	QPSK	1	214	11.16	11.18	11.10			
40	QPSK	108	0	11.11	11.13	11.15	12.6	0.0	
40	QPSK	108	54	11.12	11.11	11.07	12.6	0.0	
40	QPSK	108	108	11.09	11.13	11.12	12.6	0.0	
40	QPSK	216	0	11.12	11.12	11.10			
40	16QAM	1	1	11.10	11.15	11.08	12.6	0.0	
40	64QAM	1	1	11.09	11.12	11.15	12.6	0.0	
40	256QAM	1	1	11.15	11.17	11.13	12.6	0.0	
Channel				345000	349000	353000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PI/2 BPSK	1	1	11.15	11.17	11.13	12.6	0.0	
Channel				344500	349000	353500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	PI/2 BPSK	1	1	11.16	11.15	11.11	12.6	0.0	
Channel				344000	349000	354000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	11.12	11.13	11.14	12.6	0.0	
Channel				343500	349000	354500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PI/2 BPSK	1	1	11.08	11.11	11.14	12.6	0.0	
Channel				343000	349000	355000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PI/2 BPSK	1	1	11.11	11.18	11.13	12.6	0.0	
Channel				342500	349000	355500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PI/2 BPSK	1	1	11.11	11.13	11.08	12.6	0.0	



Reduced Power for DSI 3

Par27Q n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668	12.3	0.0	
Frequency (MHz)				3495	3500.01	3504.99			
100	PI/2 BPSK	1	1	11.17	11.21		12.3	0.0	
100	PI/2 BPSK	1	137	11.28					
100	PI/2 BPSK	1	271	11.23			12.3	0.0	
100	PI/2 BPSK	135	0	11.18					
100	PI/2 BPSK	135	69	11.26			12.3	0.0	
100	PI/2 BPSK	135	138	11.18					
100	PI/2 BPSK	270	0	11.24			12.3	0.0	
100	QPSK	1	1	11.19					
100	QPSK	1	137	11.19			12.3	0.0	
100	QPSK	1	271	11.19					
100	QPSK	135	0	11.17			12.3	0.0	
100	QPSK	135	69	11.23					
100	QPSK	135	138	11.20			12.3	0.0	
100	QPSK	270	0	11.24					
100	16QAM	1	1	11.22			12.3	0.0	
100	64QAM	1	1	11.18			12.3	0.0	
100	256QAM	1	1	11.23			12.3	0.0	
Channel				633000	633334	633668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	12.3	0.0	
90	PI/2 BPSK	1	1	11.17	11.13	11.16	12.3	0.0	
Channel				632668	633334	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510	12.3	0.0	
80	PI/2 BPSK	1	1	11.24	11.19	11.16	12.3	0.0	
Channel				632000	633334	634668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	12.3	0.0	
60	PI/2 BPSK	1	1	11.19	11.14	11.11	12.3	0.0	
Channel				631668	633334	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	12.3	0.0	
50	PI/2 BPSK	1	1	11.24	11.13	11.15	12.3	0.0	
Channel				631334	633334	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	12.3	0.0	
40	PI/2 BPSK	1	1	11.16	11.17	11.18	12.3	0.0	
Channel				631000	633334	635668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99	12.3	0.0	
30	PI/2 BPSK	1	1	11.17	11.13	11.16	12.3	0.0	
Channel				630668	633334	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	12.3	0.0	
20	PI/2 BPSK	1	1	11.18	11.18	11.13	12.3	0.0	
Channel				630500	636666	642832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48	12.3	0.0	
15	PI/2 BPSK	1	1	11.20	11.19	11.10	12.3	0.0	
Channel				630334	636666	643000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645	12.3	0.0	
10	PI/2 BPSK	1	1	11.22	11.18	11.13	12.3	0.0	

Part27O n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000		12.3	0.0	
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		11.01		12.3	0.0	
100	PI/2 BPSK	1	137		11.05				
100	PI/2 BPSK	1	271		11.01		12.3	0.0	
100	PI/2 BPSK	135	0		10.94				
100	PI/2 BPSK	135	69		10.96		12.3	0.0	
100	PI/2 BPSK	135	138		10.92				
100	PI/2 BPSK	270	0		10.94		12.3	0.0	
100	QPSK	1	1		10.92				
100	QPSK	1	137		10.87		12.3	0.0	
100	QPSK	1	271		10.92				
100	QPSK	135	0		10.93		12.3	0.0	
100	QPSK	135	69		10.93				
100	QPSK	135	138		10.94		12.3	0.0	
100	QPSK	270	0		10.92				
100	16QAM	1	1		10.94		12.3	0.0	
100	64QAM	1	1		10.95		12.3	0.0	
100	256QAM	1	1		10.91		12.3	0.0	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	12.3	0.0	
90	PI/2 BPSK	1	1	10.89	11.14	11.18	12.3	0.0	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	12.3	0.0	
80	PI/2 BPSK	1	1	10.91	11.17	11.18	12.3	0.0	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	12.3	0.0	
60	PI/2 BPSK	1	1	10.92	11.16	11.10	12.3	0.0	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	12.3	0.0	
50	PI/2 BPSK	1	1	10.92	11.17	11.15	12.3	0.0	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	12.3	0.0	
40	PI/2 BPSK	1	1	10.92	11.17	11.11	12.3	0.0	
Channel				647668	650000	652332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98	12.3	0.0	
30	PI/2 BPSK	1	1	10.93	11.16	11.17	12.3	0.0	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	12.3	0.0	
20	PI/2 BPSK	1	1	10.94	11.14	11.18	12.3	0.0	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	12.3	0.0	
15	PI/2 BPSK	1	1	10.91	11.17	11.15	12.3	0.0	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	12.3	0.0	
10	PI/2 BPSK	1	1	10.87	11.19	11.14	12.3	0.0	

Par27Q n78_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	9.27					
100	PI/2 BPSK	1	137	9.31			11.0	0.0	
100	PI/2 BPSK	1	271	9.23					
100	PI/2 BPSK	135	0	9.19			11.0	0.0	
100	PI/2 BPSK	135	69	9.24			11.0	0.0	
100	PI/2 BPSK	135	138	9.22			11.0	0.0	
100	PI/2 BPSK	270	0	9.15					
100	QPSK	1	1	9.21					
100	QPSK	1	137	9.21			11.0	0.0	
100	QPSK	1	271	9.19					
100	QPSK	135	0	9.20					
100	QPSK	135	69	9.18			11.0	0.0	
100	QPSK	135	138	9.19					
100	QPSK	270	0	9.15			11.0	0.0	
100	16QAM	1	1	9.22			11.0	0.0	
100	64QAM	1	1	9.20			11.0	0.0	
100	256QAM	1	1	9.17			11.0	0.0	
Channel				633000	633334	633666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1	9.30	9.28	9.22	11.0	0.0	
Channel				632668	633334	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	PI/2 BPSK	1	1	9.23	9.23	9.27	11.0	0.0	
Channel				632000	633334	634666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1	9.25	9.22	9.22	11.0	0.0	
Channel				631668	633334	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1	9.28	9.28	9.24	11.0	0.0	
Channel				631334	633334	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1	9.26	9.29	9.24	11.0	0.0	
Channel				631000	633334	635666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1	9.28	9.22	9.23	11.0	0.0	
Channel				630668	633334	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1	9.27	9.23	9.30	11.0	0.0	
Channel				630500	636666	642832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48			
15	PI/2 BPSK	1	1	9.29	9.29	9.23	11.0	0.0	
Channel				630334	636666	643000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645			
10	PI/2 BPSK	1	1	9.25	9.22	9.26	11.0	0.0	

Par27O n78_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	9.66					
100	PI/2 BPSK	1	137	9.74			11.0	0.0	
100	PI/2 BPSK	1	271	9.73					
100	PI/2 BPSK	135	0	9.64			11.0	0.0	
100	PI/2 BPSK	135	69	9.67			11.0	0.0	
100	PI/2 BPSK	135	138	9.64			11.0	0.0	
100	PI/2 BPSK	270	0	9.58					
100	QPSK	1	1	9.62					
100	QPSK	1	137	9.63			11.0	0.0	
100	QPSK	1	271	9.60					
100	QPSK	135	0	9.65					
100	QPSK	135	69	9.63			11.0	0.0	
100	QPSK	135	138	9.60					
100	QPSK	270	0	9.63			11.0	0.0	
100	16QAM	1	1	9.58			11.0	0.0	
100	64QAM	1	1	9.58			11.0	0.0	
100	256QAM	1	1	9.66			11.0	0.0	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1	9.70	9.73	9.70	11.0	0.0	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1	9.69	9.66	9.69	11.0	0.0	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1	9.72	9.73	9.68	11.0	0.0	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1	9.72	9.73	9.70	11.0	0.0	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1	9.67	9.65	9.65	11.0	0.0	
Channel				647668	650000	652332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98			
30	PI/2 BPSK	1	1	9.73	9.73	9.73	11.0	0.0	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	PI/2 BPSK	1	1	9.71	9.73	9.68	11.0	0.0	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1	9.67	9.71	9.66	11.0	0.0	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1	9.65	9.67	9.69	11.0	0.0	



Reduced Power for DSI 3

Par27Q n78_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668	15.0	0.0	
Frequency (MHz)				3405	3500.01	3594.99			
100	PI/2 BPSK	1	1	13.30	13.38	13.40	15.0	0.0	
100	PI/2 BPSK	1	137	13.30	13.38	13.40			
100	PI/2 BPSK	1	271	13.30	13.38	13.40	15.0	0.0	
100	PI/2 BPSK	135	0	13.32	13.32	13.32			
100	PI/2 BPSK	135	69	13.32	13.32	13.32	15.0	0.0	
100	PI/2 BPSK	135	138	13.37	13.37	13.37			
100	PI/2 BPSK	270	0	13.32	13.32	13.32	15.0	0.0	
100	QPSK	1	1	13.32	13.32	13.32			
100	QPSK	1	137	13.33	13.33	13.33	15.0	0.0	
100	QPSK	1	271	13.35	13.35	13.35			
100	QPSK	135	0	13.33	13.33	13.33	15.0	0.0	
100	QPSK	135	69	13.31	13.31	13.31			
100	QPSK	135	138	13.30	13.30	13.30	15.0	0.0	
100	QPSK	270	0	13.29	13.29	13.29			
100	16QAM	1	1	13.32	13.32	13.32	15.0	0.0	
100	64QAM	1	1	13.35	13.35	13.35	15.0	0.0	
100	256QAM	1	1	13.35	13.35	13.35	15.0	0.0	
Channel				633000	633334	633668	15.0	0.0	
Frequency (MHz)				3405	3500.01	3594.99			
90	PI/2 BPSK	1	1	13.30	13.38	13.40	15.0	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3480.02	3500.01	3510	15.0	0.0	
80	PI/2 BPSK	1	1	13.29	13.33	13.35		0.0	
Channel				632000	633334	634668	15.0	0.0	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1	13.34	13.36	13.37	15.0	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	15.0	0.0	
50	PI/2 BPSK	1	1	13.29	13.35	13.38		0.0	
Channel				631334	633334	635332	15.0	0.0	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1	13.30	13.33	13.33	15.0	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3534.99	15.0	0.0	
30	PI/2 BPSK	1	1	13.36	13.33	13.38		0.0	
Channel				630668	633334	636000	15.0	0.0	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1	13.35	13.35	13.40	15.0	0.0	
Channel				630500	636666	642832			
Frequency (MHz)				3457.5	3549.99	3642.48	15.0	0.0	
15	PI/2 BPSK	1	1	13.31	13.37	13.32		0.0	
Channel				630334	636666	643000	15.0	0.0	
Frequency (MHz)				3455.01	3549.99	3645			
10	PI/2 BPSK	1	1	13.37	13.40	13.35	15.0	0.0	

Part27O n78_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	15.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	13.37	13.37	13.37	15.0	0.0	
100	PI/2 BPSK	1	137	13.39	13.39	13.39			
100	PI/2 BPSK	1	271	13.35	13.35	13.35	15.0	0.0	
100	PI/2 BPSK	135	0	13.28	13.28	13.28			
100	PI/2 BPSK	135	69	13.34	13.34	13.34	15.0	0.0	
100	PI/2 BPSK	135	138	13.26	13.26	13.26			
100	PI/2 BPSK	270	0	13.30	13.30	13.30	15.0	0.0	
100	QPSK	1	1	13.29	13.29	13.29			
100	QPSK	1	137	13.31	13.31	13.31	15.0	0.0	
100	QPSK	1	271	13.33	13.33	13.33			
100	QPSK	135	0	13.25	13.25	13.25	15.0	0.0	
100	QPSK	135	69	13.33	13.33	13.33			
100	QPSK	135	138	13.28	13.28	13.28	15.0	0.0	
100	QPSK	270	0	13.26	13.26	13.26			
100	16QAM	1	1	13.25	13.25	13.25	15.0	0.0	
100	64QAM	1	1	13.32	13.32	13.32	15.0	0.0	
100	256QAM	1	1	13.33	13.33	13.33	15.0	0.0	
Channel				649668	650000	650332	15.0	0.0	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1	13.31	13.26	13.25	15.0	0.0	
Channel				649334	650000	650666			
Frequency (MHz)				3740.01	3750	3759.99	15.0	0.0	
80	PI/2 BPSK	1	1	13.25	13.17	13.16		0.0	
Channel				648668	650000	651332	15.0	0.0	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1	13.22	13.23	13.21	15.0	0.0	
Channel				648334	650000	651666			
Frequency (MHz)				3725.01	3750	3774.99	15.0	0.0	
50	PI/2 BPSK	1	1	13.25	13.19	13.16		0.0	
Channel				648000	650000	652000	15.0	0.0	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1	13.30	13.19	13.19	15.0	0.0	
Channel				647668	650000	652332			
Frequency (MHz)				3715.02	3750.00	3784.98	15.0	0.0	
30	PI/2 BPSK	1	1	13.25	13.18	13.23		0.0	
Channel				647334	650000	652666	15.0	0.0	
Frequency (MHz)				3710.01	3750	3789.99			
20	PI/2 BPSK	1	1	13.25	13.18	13.22	15.0	0.0	
Channel				647168	650000	652832			
Frequency (MHz)				3707.52	3750	3792.48	15.0	0.0	
15	PI/2 BPSK	1	1	13.23	13.22	13.19		0.0	
Channel				647000	650000	653000	15.0	0.0	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1	13.23	13.18	13.23	15.0	0.0	

Par27Q n78_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	3500.01				
Frequency (MHz)				9.69					
100	PI/2 BPSK	1	1				10.8	0.0	
100	PI/2 BPSK	1	137	9.71					
100	PI/2 BPSK	1	271	9.67					
100	PI/2 BPSK	135	0	9.59			10.8	0.0	
100	PI/2 BPSK	135	69	9.65			10.8	0.0	
100	PI/2 BPSK	135	138	9.58			10.8	0.0	
100	PI/2 BPSK	270	0	9.60					
100	QPSK	1	1	9.59					
100	QPSK	1	137	9.64			10.8	0.0	
100	QPSK	1	271	9.62					
100	QPSK	135	0	9.57					
100	QPSK	135	69	9.60			10.8	0.0	
100	QPSK	135	138	9.62					
100	QPSK	270	0	9.62			10.8	0.0	
100	16QAM	1	1	9.58			10.8	0.0	
100	64QAM	1	1	9.63			10.8	0.0	
100	256QAM	1	1	9.62			10.8	0.0	
Channel				633000	633334	633666	100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1	9.57	9.59	9.64	10.8	0.0	
Channel				632668	633334	634000	100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	PI/2 BPSK	1	1	9.62	9.60	9.67	10.8	0.0	
Channel				632000	633334	634666	100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1	9.59	9.64	9.64	10.8	0.0	
Channel				631668	633334	635000	100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1	9.64	9.58	9.70	10.8	0.0	
Channel				631334	633334	635332	100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1	9.59	9.61	9.63	10.8	0.0	
Channel				631000	633334	635666	100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1	9.62	9.60	9.68	10.8	0.0	
Channel				630668	633334	636000	100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1	9.57	9.57	9.68	10.8	0.0	
Channel				630500	636666	642832	100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48			
15	PI/2 BPSK	1	1	9.60	9.63	9.62	10.8	0.0	
Channel				630334	636666	643000	100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645			
10	PI/2 BPSK	1	1	9.64	9.61	9.64	10.8	0.0	

Part27O n78_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		9.06				
100	PI/2 BPSK	1	137		9.11		10.8	0.0	
100	PI/2 BPSK	1	271		9.09				
100	PI/2 BPSK	135	0		8.99		10.8	0.0	
100	PI/2 BPSK	135	69		9.04		10.8	0.0	
100	PI/2 BPSK	135	138		9.01		10.8	0.0	
100	PI/2 BPSK	270	0		9.01				
100	QPSK	1	1		9.00				
100	QPSK	1	137		9.00		10.8	0.0	
100	QPSK	1	271		8.97				
100	QPSK	135	0		9.01				
100	QPSK	135	69		8.96		10.8	0.0	
100	QPSK	135	138		9.03				
100	QPSK	270	0		9.03		10.8	0.0	
100	16QAM	1	1		9.02		10.8	0.0	
100	64QAM	1	1		8.95		10.8	0.0	
100	256QAM	1	1		9.01		10.8	0.0	
Channel				649668	650000	650332	100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1	8.95	9.04	9.06	10.8	0.0	
Channel				649334	650000	650666	100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1	9.03	9.05	9.08	10.8	0.0	
Channel				648668	650000	651332	100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1	8.99	9.06	9.04	10.8	0.0	
Channel				648334	650000	651666	100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1	9.00	9.03	9.05	10.8	0.0	
Channel				648000	650000	652000	100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1	9.00	9.10	9.08	10.8	0.0	
Channel				647668	650000	652332	100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98			
30	PI/2 BPSK	1	1	9.01	9.05	9.04	10.8	0.0	
Channel				647334	650000	652666	100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	PI/2 BPSK	1	1	9.03	9.03	9.08	10.8	0.0	
Channel				647168	650000	652832	100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1	9.01	9.06	9.09	10.8	0.0	
Channel				647000	650000	653000	100% up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1	9.01	9.02	9.03	10.8	0.0	



Reduced Power for DSI 4

n7_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	24.0	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	23.01	23.16	23.08			
20	PI/2 BPSK	1	53	23.26	23.37	23.29	24.0	0.5	
20	PI/2 BPSK	1	104	23.14	23.03	23.28			
20	PI/2 BPSK	50	0	22.61	22.73	22.77			
20	PI/2 BPSK	50	28	23.31	23.36	23.32	24.0	0.0	
20	PI/2 BPSK	50	56	22.82	22.67	22.74	23.5	0.5	
20	PI/2 BPSK	100	0	22.77	22.78	22.76			
20	QPSK	1	1	22.94	23.09	23.04	24.0	0.0	
20	QPSK	1	53	23.20	23.15	23.19			
20	QPSK	1	104	23.12	23.02	23.17			
20	QPSK	50	0	22.12	22.21	22.18	23.0	1.0	
20	QPSK	50	28	23.26	23.26	23.31	24.0	0.0	
20	QPSK	50	56	22.30	22.16	22.24	23.0	1.0	
20	QPSK	100	0	22.23	22.27	22.25			
20	16QAM	1	1	21.71	21.83	21.80	23.0	1.0	
20	64QAM	1	1	20.30	20.42	20.27	21.5	2.5	
20	256QAM	1	1	18.86	19.01	18.94	19.5	4.5	
Channel				501500	507000	512500	1 MPR-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24.0 (dB _{max})	0.0	
15	PI/2 BPSK	1	1	22.98	23.11	23.09	24.0		
Channel				501000	507000	513000	1 MPR-up limit (dB _{max})	MPR (dB)	
Frequency (MHz)				2505	2535	2565	24.0 (dB _{max})	0.0	
10	PI/2 BPSK	1	1	22.85	22.92	23.07	24.0		
Channel				500500	507000	513500	1 MPR-up limit (dB _{max})	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	24.0 (dB _{max})	0.0	
5	PI/2 BPSK	1	1	23.01	23.14	23.24	24.0		

n7_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	22.8	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	21.23	21.23	21.20	22.8	0.0	
20	PI/2 BPSK	1	53	21.30	21.31	21.23			
20	PI/2 BPSK	1	104	21.22	21.28	21.20			
20	PI/2 BPSK	50	0	21.17	21.21	21.12	22.8	0.0	
20	PI/2 BPSK	50	28	21.21	21.30	21.16	22.8	0.0	
20	PI/2 BPSK	50	56	21.12	21.23	21.12	22.8	0.0	
20	PI/2 BPSK	100	0	21.13	21.23	21.08			
20	QPSK	1	1	21.14	21.23	21.11	22.8	0.0	
20	QPSK	1	53	21.17	21.22	21.10			
20	QPSK	1	104	21.18	21.28	21.11			
20	QPSK	50	0	20.17	20.22	20.09	21.8	1.0	
20	QPSK	50	28	21.15	21.23	21.12	22.8	0.0	
20	QPSK	50	56	20.16	20.23	20.13	21.8	1.0	
20	QPSK	100	0	20.14	20.27	20.10			
20	16QAM	1	1	21.14	21.24	21.14	22.8	0.0	
20	64QAM	1	1	19.62	19.77	19.60	21.3	1.5	
20	256QAM	1	1	17.67	17.77	17.63	19.3	3.5	
Channel				501500	507000	512500	1 MPR-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	22.8	0.0	
15	PI/2 BPSK	1	1	21.26	21.30	21.14	22.8	0.0	
Channel				501000	507000	513000	1 MPR-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	22.8	0.0	
10	PI/2 BPSK	1	1	21.23	21.28	21.20	22.8	0.0	
Channel				500500	507000	513500	1 MPR-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	22.8	0.0	
5	PI/2 BPSK	1	1	21.29	21.22	21.18	22.8	0.0	



Reduced Power for DSI 4

n66_Ant 11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	24.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.91	22.93	22.87		
40	PI/2 BPSK	1	108	23.32	23.36	23.33	23.5	0.5
40	PI/2 BPSK	1	214	22.87	22.92	23.04		
40	PI/2 BPSK	108	0	22.65	22.71	22.75		
40	PI/2 BPSK	108	54	23.30	23.33	23.28	24.0	0.0
40	PI/2 BPSK	108	108	22.73	22.61	22.76		
40	PI/2 BPSK	216	0	22.75	22.77	22.69		
40	QPSK	1	1	22.85	22.87	22.86	24.0	0.0
40	QPSK	1	108	23.27	23.28	23.29		
40	QPSK	1	214	22.85	22.87	23.04		
40	QPSK	108	0	22.27	22.31	22.40	23.0	1.0
40	QPSK	108	54	23.27	23.27	23.34		
40	QPSK	108	108	22.40	22.27	22.41		
40	QPSK	216	0	22.32	22.27	22.36	23.0	1.0
40	16QAM	1	1	21.61	21.74	21.72		
40	64QAM	1	1	20.26	20.32	20.28		
40	256QAM	1	1	18.88	18.87	18.83	19.5	4.5
Channel				345000	349000	353000	1 time-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	22.79	22.81	22.69	24.0	0.0
Channel				344500	349000	353500	1 time-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	PI/2 BPSK	1	1	22.71	22.79	22.64	24.0	0.0
Channel				344000	349000	354000	1 time-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	22.87	22.88	22.88	24.0	0.0
Channel				343500	349000	354500	1 time-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	22.85	22.94	22.94	24.0	0.0
Channel				343000	349000	355000	1 time-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	22.89	22.92	22.86	24.0	0.0
Channel				342500	349000	355500	1 time-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	22.95	22.84	22.84	24.0	0.0

n66_Ant 13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000	23.6	0.0
Frequency (MHz)				1725	1745	1765		
40	PI/2 BPSK	1	1	21.74	21.72	21.72		
40	PI/2 BPSK	1	108	22.19	22.21	22.16	23.1	0.5
40	PI/2 BPSK	1	214	21.80	21.71	21.83		
40	PI/2 BPSK	108	0	21.62	21.55	21.66		
40	PI/2 BPSK	108	54	22.14	22.15	22.11	23.6	0.0
40	PI/2 BPSK	108	108	21.63	21.39	21.59		
40	PI/2 BPSK	216	0	21.55	21.58	21.55		
40	QPSK	1	1	21.75	21.74	21.67	23.6	0.0
40	QPSK	1	108	22.13	22.13	22.08		
40	QPSK	1	214	21.77	21.73	21.78		
40	QPSK	108	0	21.21	21.16	21.26	22.6	1.0
40	QPSK	108	54	22.10	22.10	22.15		
40	QPSK	108	108	21.25	21.05	21.21		
40	QPSK	216	0	21.27	21.04	21.24	22.6	1.0
40	16QAM	1	1	20.55	20.62	20.56		
40	64QAM	1	1	19.16	19.22	19.13		
40	256QAM	1	1	17.78	17.79	17.66	19.1	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	21.81	21.86	21.71	23.6	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	PI/2 BPSK	1	1	21.61	21.65	21.59	23.6	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	21.71	21.67	21.73	23.6	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	21.73	21.70	21.63	23.6	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	21.72	21.66	21.62	23.6	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	21.66	21.67	21.72	23.6	0.0

Par27Q n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334	633334			
Frequency (MHz)				3500.01	21.03				
100	PI/2 BPSK	1	1		21.03				
100	PI/2 BPSK	1	137		21.11		22.3	0.0	
100	PI/2 BPSK	1	271		21.06				
100	PI/2 BPSK	135	0		21.00		22.3	0.0	
100	PI/2 BPSK	135	69		21.08		22.3	0.0	
100	PI/2 BPSK	135	138		21.06		22.3	0.0	
100	PI/2 BPSK	270	0		21.00				
100	QPSK	1	1		21.03				
100	QPSK	1	137		21.04		22.3	0.0	
100	QPSK	1	271		21.05				
100	QPSK	135	0		21.05				
100	QPSK	135	69		21.05		22.3	0.0	
100	QPSK	135	138		21.04				
100	QPSK	270	0		21.07		22.3	0.0	
100	16QAM	1	1		21.00		22.3	0.0	
100	64QAM	1	1		21.06		22.3	0.0	
100	256QAM	1	1		19.52		20.3	2.0	
Channel				633000	633334	633666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1		21.02	21.09	21.07	22.3	
Channel				632668	633334	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	PI/2 BPSK	1	1		21.02	21.03	21.10	22.3	
Channel				632000	633334	634666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1		21.05	21.05	21.05	22.3	
Channel				631668	633334	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1		21.03	21.04	21.08	22.3	
Channel				631334	633334	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1		21.04	21.07	21.02	22.3	
Channel				631000	633334	635666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1		21.06	21.05	21.07	22.3	
Channel				630668	633334	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1		21.04	21.03	21.07	22.3	
Channel				630500	636666	642832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48			
15	PI/2 BPSK	1	1		21.10	21.05	21.05	22.3	
Channel				630334	636666	643000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645			
10	PI/2 BPSK	1	1		21.05	21.07	21.07	22.3	

Part27O n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		20.83				
100	PI/2 BPSK	1	137		20.86		22.3	0.0	
100	PI/2 BPSK	1	271		20.79				
100	PI/2 BPSK	135	0		20.79		22.3	0.0	
100	PI/2 BPSK	135	69		20.84		22.3	0.0	
100	PI/2 BPSK	135	138		20.83		22.3	0.0	
100	PI/2 BPSK	270	0		20.82				
100	QPSK	1	1		20.81				
100	QPSK	1	137		20.78		22.3	0.0	
100	QPSK	1	271		20.79				
100	QPSK	135	0		20.77				
100	QPSK	135	69		20.78		22.3	0.0	
100	QPSK	135	138		20.78				
100	QPSK	270	0		20.76		22.3	0.0	
100	16QAM	1	1		20.81		22.3	0.0	
100	64QAM	1	1		20.78		22.3	0.0	
100	256QAM	1	1		19.28		20.3	2.0	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1		20.79	20.82	20.77	22.3	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1		20.83	20.82	20.77	22.3	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1		20.83	20.77	20.84	22.3	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1		20.79	20.80	20.82	22.3	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1		20.83	20.77	20.79	22.3	
Channel				647668	650000	652332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98			
30	PI/2 BPSK	1	1		20.79	20.82	20.83	22.3	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	PI/2 BPSK	1	1		20.80	20.78	20.83	22.3	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1		20.77	20.85	20.83	22.3	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1		20.83	20.82	20.81	22.3	



Reduced Power for DSI 5

n7_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	19.5	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	18.81	18.84	18.85	19.5	0.0	
20	PI/2 BPSK	1	53	18.86	18.91	18.87			
20	PI/2 BPSK	1	104	18.78	18.85	18.81			
20	PI/2 BPSK	50	0	18.74	18.77	18.72			
20	PI/2 BPSK	50	28	18.77	18.82	18.79	19.5	0.0	
20	PI/2 BPSK	50	56	18.72	18.76	18.73	19.5	0.0	
20	PI/2 BPSK	100	0	18.75	18.79	18.73			
20	QPSK	1	1	18.72	18.78	18.74			
20	QPSK	1	53	18.69	18.75	18.78			
20	QPSK	1	104	18.68	18.76	18.74	19.5	0.0	
20	QPSK	50	0	18.74	18.73	18.76			
20	QPSK	50	28	18.72	18.80	18.77			
20	QPSK	50	56	18.69	18.73	18.71			
20	QPSK	100	0	18.72	18.74	18.76	19.5	0.0	
20	16QAM	1	1	18.72	18.74	18.73	19.5	0.0	
20	64QAM	1	1	18.75	18.78	18.73	19.5	0.0	
20	256QAM	1	1	18.72	18.73	18.77	19.5	0.0	
Channel				501500	507000	512500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	19.5	0.0	
15	PI/2 BPSK	1	1	18.74	18.77	18.75	19.5	0.0	
Channel				501000	507000	513000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	19.5	0.0	
10	PI/2 BPSK	1	1	18.75	18.77	18.76	19.5	0.0	
Channel				500500	507000	513500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	19.5	0.0	
5	PI/2 BPSK	1	1	18.68	18.76	18.74	19.5	0.0	

n7_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	17.8	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	16.24	16.30	16.19	17.8	0.0	
20	PI/2 BPSK	1	53	16.26	16.32	16.24			
20	PI/2 BPSK	1	104	16.23	16.28	16.15			
20	PI/2 BPSK	50	0	16.09	16.19	16.11			
20	PI/2 BPSK	50	28	16.17	16.27	16.17	17.8	0.0	
20	PI/2 BPSK	50	56	16.08	16.26	16.16	17.8	0.0	
20	PI/2 BPSK	100	0	16.16	16.18	16.13			
20	QPSK	1	1	16.09	16.19	16.13			
20	QPSK	1	53	16.08	16.20	16.09			
20	QPSK	1	104	16.10	16.23	16.08	17.8	0.0	
20	QPSK	50	0	16.13	16.18	16.09			
20	QPSK	50	28	16.10	16.20	16.15			
20	QPSK	50	56	16.13	16.21	16.08			
20	QPSK	100	0	16.13	16.22	16.08	16.8	1.0	
20	16QAM	1	1	16.16	16.22	16.12	17.8	0.0	
20	64QAM	1	1	16.09	16.20	16.08	17.8	0.0	
20	256QAM	1	1	16.09	16.19	16.16	17.8	0.0	
Channel				501500	507000	512500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	17.8	0.0	
15	PI/2 BPSK	1	1	16.16	16.26	16.11	17.8	0.0	
Channel				501000	507000	513000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	17.8	0.0	
10	PI/2 BPSK	1	1	16.10	16.23	16.14	17.8	0.0	
Channel				500500	507000	513500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	17.8	0.0	
5	PI/2 BPSK	1	1	16.15	16.21	16.08	17.8	0.0	

n66_Ant 11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	19.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	18.82	18.83	18.80	19.5	0.0
40	PI/2 BPSK	1	108	18.86	18.91	18.86		
40	PI/2 BPSK	1	214	18.81	18.83	18.82	19.5	0.0
40	PI/2 BPSK	108	0	18.72	18.83	18.74		
40	PI/2 BPSK	108	54	18.81	18.86	18.83	19.5	0.0
40	PI/2 BPSK	108	108	18.78	18.83	18.75		
40	PI/2 BPSK	216	0	18.72	18.80	18.78	19.5	0.0
40	QPSK	1	1	18.80	18.83	18.74		
40	QPSK	1	108	18.72	18.81	18.78	19.5	0.0
40	QPSK	1	214	18.75	18.84	18.78		
40	QPSK	108	0	18.73	18.85	18.78	19.5	0.0
40	QPSK	108	54	18.79	18.82	18.79		
40	QPSK	108	108	18.78	18.83	18.79	19.5	0.0
40	QPSK	216	0	18.74	18.79	18.81		
40	16QAM	1	1	18.78	18.85	18.79	19.5	0.0
40	64QAM	1	1	18.76	18.83	18.80		
40	256QAM	1	1	18.74	18.79	18.80	19.5	0.0
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765	19.5	0.0
30	PI/2 BPSK	1	1	18.78	18.80	18.78		
Channel				344500	349000	353500	19.5	0.0
Frequency (MHz)				1722.5	1745	1767.5		
25	PI/2 BPSK	1	1	18.79	18.83	18.77	19.5	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770	19.5	0.0
20	PI/2 BPSK	1	1	18.77	18.82	18.81		
Channel				343500	349000	354500	19.5	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	18.77	18.84	18.81	19.5	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775	19.5	0.0
10	PI/2 BPSK	1	1	18.75	18.85	18.74		
Channel				342500	349000	355500	19.5	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	18.78	18.84	18.79	19.5	0.0

n66_Ant 13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000	20.1	0.0
Frequency (MHz)				1725	1745	1765		
40	PI/2 BPSK	1	1	18.56	18.66	18.54	20.1	0.0
40	PI/2 BPSK	1	108	18.62	18.68	18.60		
40	PI/2 BPSK	1	214	18.55	18.62	18.57	20.1	0.0
40	PI/2 BPSK	108	0	18.52	18.63	18.51		
40	PI/2 BPSK	108	54	18.54	18.67	18.58	20.1	0.0
40	PI/2 BPSK	108	108	18.46	18.60	18.57		
40	PI/2 BPSK	216	0	18.51	18.58	18.51	20.1	0.0
40	QPSK	1	1	18.50	18.58	18.49		
40	QPSK	1	108	18.45	18.62	18.56	20.1	0.0
40	QPSK	1	214	18.48	18.66	18.51		
40	QPSK	108	0	18.45	18.64	18.56	20.1	0.0
40	QPSK	108	54	18.53	18.58	18.51		
40	QPSK	108	108	18.51	18.59	18.51	20.1	0.0
40	QPSK	216	0	18.53	18.64	18.55		
40	16QAM	1	1	18.46	18.61	18.52	20.1	0.0
40	64QAM	1	1	18.47	18.61	18.53		
40	256QAM	1	1	18.50	18.64	18.52	19.1	1.0
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765	20.1	0.0
30	PI/2 BPSK	1	1	18.51	18.61	18.55		
Channel				344500	349000	353500	20.1	0.0
Frequency (MHz)				1722.5	1745	1767.5		
25	PI/2 BPSK	1	1	18.53	18.60	18.53	20.1	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770	20.1	0.0
20	PI/2 BPSK	1	1	18.45	18.62	18.57		
Channel				343500	349000	354500	20.1	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	18.46	18.65	18.51	20.1	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775	20.1	0.0
10	PI/2 BPSK	1	1	18.49	18.60	18.55		
Channel				342500	349000	355500	20.1	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	18.50	18.65	18.51	20.1	0.0

Par27Q n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	3500.01				
Frequency (MHz)				17.27					
100	PI/2 BPSK	1	1		17.27				
100	PI/2 BPSK	1	137		17.32		18.3	0.0	
100	PI/2 BPSK	1	271		17.29				
100	PI/2 BPSK	135	0		17.19		18.3	0.0	
100	PI/2 BPSK	135	69		17.24		18.3	0.0	
100	PI/2 BPSK	135	138		17.21		18.3	0.0	
100	PI/2 BPSK	270	0		17.16				
100	QPSK	1	1		17.21				
100	QPSK	1	137		17.22		18.3	0.0	
100	QPSK	1	271		17.22				
100	QPSK	135	0		17.21				
100	QPSK	135	69		17.20		18.3	0.0	
100	QPSK	135	138		17.18				
100	QPSK	270	0		17.22		18.3	0.0	
100	16QAM	1	1		17.20		18.3	0.0	
100	64QAM	1	1		17.15		18.3	0.0	
100	256QAM	1	1		17.19		18.3	0.0	
Channel				633000	633334	633666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	18.3	0.0	
90	PI/2 BPSK	1	1		17.21	17.12	17.10	18.3	
Channel				632668	633334	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510	18.3	0.0	
80	PI/2 BPSK	1	1		17.21	17.17	17.13	18.3	
Channel				632000	633334	634666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	18.3	0.0	
60	PI/2 BPSK	1	1		17.15	17.16	17.11	18.3	
Channel				631668	633334	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	18.3	0.0	
50	PI/2 BPSK	1	1		17.18	17.16	17.15	18.3	
Channel				631334	633334	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	18.3	0.0	
40	PI/2 BPSK	1	1		17.15	17.19	17.15	18.3	
Channel				631000	633334	635666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99	18.3	0.0	
30	PI/2 BPSK	1	1		17.21	17.19	17.08	18.3	
Channel				630668	633334	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	18.3	0.0	
20	PI/2 BPSK	1	1		17.21	17.18	17.07	18.3	
Channel				630500	636666	642832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48	18.3	0.0	
15	PI/2 BPSK	1	1		17.15	17.16	17.15	18.3	
Channel				630334	636666	643000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645	18.3	0.0	
10	PI/2 BPSK	1	1		17.19	17.13	17.15	18.3	

Part27O n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		16.97				
100	PI/2 BPSK	1	137		17.05		18.3	0.0	
100	PI/2 BPSK	1	271		17.02				
100	PI/2 BPSK	135	0		16.99		18.3	0.0	
100	PI/2 BPSK	135	69		17.00		18.3	0.0	
100	PI/2 BPSK	135	138		16.95		18.3	0.0	
100	PI/2 BPSK	270	0		16.92				
100	QPSK	1	1		16.91				
100	QPSK	1	137		16.97		18.3	0.0	
100	QPSK	1	271		16.97				
100	QPSK	135	0		16.99				
100	QPSK	135	69		16.96		18.3	0.0	
100	QPSK	135	138		16.98				
100	QPSK	270	0		16.98		18.3	0.0	
100	16QAM	1	1		16.93		18.3	0.0	
100	64QAM	1	1		16.93		18.3	0.0	
100	256QAM	1	1		16.94		18.3	0.0	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	18.3	0.0	
90	PI/2 BPSK	1	1		16.98	16.92	16.97	18.3	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	18.3	0.0	
80	PI/2 BPSK	1	1		16.89	16.85	16.91	18.3	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	18.3	0.0	
60	PI/2 BPSK	1	1		16.91	16.87	16.95	18.3	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	18.3	0.0	
50	PI/2 BPSK	1	1		16.94	16.84	16.93	18.3	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	18.3	0.0	
40	PI/2 BPSK	1	1		16.96	16.86	16.89	18.3	
Channel				647668	650000	652332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98	18.3	0.0	
30	PI/2 BPSK	1	1		16.95	16.90	16.90	18.3	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	18.3	0.0	
20	PI/2 BPSK	1	1		16.95	16.84	16.94	18.3	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	18.3	0.0	
15	PI/2 BPSK	1	1		16.91	16.89	16.95	18.3	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	18.3	0.0	
10	PI/2 BPSK	1	1		16.92	16.85	16.96	18.3	

Par27Q n78_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		17.77				
100	PI/2 BPSK	1	137		17.78		19.5	0.0	
100	PI/2 BPSK	1	271		17.75				
100	PI/2 BPSK	135	0		17.64		19.0	0.5	
100	PI/2 BPSK	135	69		17.70		19.5	0.0	
100	PI/2 BPSK	135	138		17.65		19.0	0.5	
100	PI/2 BPSK	270	0		17.63				
100	QPSK	1	1		17.64				
100	QPSK	1	137		17.67		19.5	0.0	
100	QPSK	1	271		17.64				
100	QPSK	135	0		17.66				
100	QPSK	135	69		17.67		19.5	0.0	
100	QPSK	135	138		17.68				
100	QPSK	270	0		17.68		19.5	1.0	
100	16QAM	1	1		17.62		19.5	1.0	
100	64QAM	1	1		17.66		19.5	2.5	
100	256QAM	1	1		17.61		19.5	4.5	
Channel				633000	633334	633666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1		17.70	17.69	17.73	19.5	
Channel				632668	633334	634000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	PI/2 BPSK	1	1		17.71	17.77	17.77	19.5	
Channel				632000	633334	634666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1		17.72	17.77	17.69	19.5	
Channel				631668	633334	635000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1		17.77	17.75	17.75	19.5	
Channel				631334	633334	635332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1		17.73	17.71	17.71	19.5	
Channel				631000	633334	635666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1		17.74	17.77	17.71	19.5	
Channel				630668	633334	636000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1		17.77	17.71	17.73	19.5	
Channel				630500	636666	642832	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48			
15	PI/2 BPSK	1	1		17.70	17.76	17.69	19.5	
Channel				630334	636666	643000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645			
10	PI/2 BPSK	1	1		17.69	17.73	17.69	19.5	

Par27O n78_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		18.17				
100	PI/2 BPSK	1	137		18.24		19.5	0.0	
100	PI/2 BPSK	1	271		18.17				
100	PI/2 BPSK	135	0		18.16		19.0	0.5	
100	PI/2 BPSK	135	69		18.17		19.5	0.0	
100	PI/2 BPSK	135	138		18.12		19.0	0.5	
100	PI/2 BPSK	270	0		18.16				
100	QPSK	1	1		18.08				
100	QPSK	1	137		18.14		19.5	0.0	
100	QPSK	1	271		18.12				
100	QPSK	135	0		18.09				
100	QPSK	135	69		18.09		19.5	0.0	
100	QPSK	135	138		18.08				
100	QPSK	270	0		18.09		19.5	1.0	
100	16QAM	1	1		18.08		19.5	1.0	
100	64QAM	1	1		18.10		19.5	2.5	
100	256QAM	1	1		18.13		19.5	4.5	
Channel				649668	650000	650332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1		18.17	18.16	18.22	19.5	
Channel				649334	650000	650666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1		18.22	18.22	18.17	19.5	
Channel				648668	650000	651332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1		18.15	18.20	18.15	19.5	
Channel				648334	650000	651666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1		18.19	18.23	18.15	19.5	
Channel				648000	650000	652000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1		18.20	18.22	18.15	19.5	
Channel				647668	650000	652332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98			
30	PI/2 BPSK	1	1		18.17	18.15	18.16	19.5	
Channel				647334	650000	652666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	PI/2 BPSK	1	1		18.20	18.18	18.22	19.5	
Channel				647168	650000	652832	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1		18.19	18.16	18.22	19.5	
Channel				647000	650000	653000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1		18.22	18.23	18.21	19.5	

Par27Q n78_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668	15.80	21.0	
Frequency (MHz)				3495	3500.01	3504.99			
100	PI/2 BPSK	1	1	19.35	19.38	19.34	21.0	0.0	
100	PI/2 BPSK	1	137		19.42				
100	PI/2 BPSK	1	271		19.39		21.0	0.0	
100	PI/2 BPSK	135	0		19.32				
100	PI/2 BPSK	135	69		19.38		21.0	0.0	
100	PI/2 BPSK	135	138		19.30				
100	PI/2 BPSK	270	0		19.30		21.0	0.0	
100	QPSK	1	1		19.34				
100	QPSK	1	137		19.29		21.0	0.0	
100	QPSK	1	271		19.30				
100	QPSK	135	0		19.33		21.0	0.0	
100	QPSK	135	69		19.35				
100	QPSK	135	138		19.29		21.0	0.0	
100	QPSK	270	0		19.37				
100	16QAM	1	1		19.31		21.0	0.0	
100	64QAM	1	1		18.31		21.0	1.0	
100	256QAM	1	1		15.80		21.0	3.0	
Channel				633000	633334	633668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	21.0	0.0	
90	PI/2 BPSK	1	1	19.35	19.38	19.34	21.0	0.0	
Channel				632668	633334	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510	21.0	0.0	
80	PI/2 BPSK	1	1	19.41	19.39	19.36	21.0	0.0	
Channel				632000	633334	634668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	21.0	0.0	
60	PI/2 BPSK	1	1	19.37	19.37	19.36	21.0	0.0	
Channel				631668	633334	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	21.0	0.0	
50	PI/2 BPSK	1	1	19.39	19.35	19.40	21.0	0.0	
Channel				631334	633334	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	21.0	0.0	
40	PI/2 BPSK	1	1	19.40	19.36	19.33	21.0	0.0	
Channel				631000	633334	635668	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99	21.0	0.0	
30	PI/2 BPSK	1	1	19.41	19.39	19.37	21.0	0.0	
Channel				630668	633334	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	21.0	0.0	
20	PI/2 BPSK	1	1	19.35	19.39	19.36	21.0	0.0	
Channel				630500	636666	642832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48	21.0	0.0	
15	PI/2 BPSK	1	1	19.39	19.41	19.39	21.0	0.0	
Channel				630334	636666	643000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645	21.0	0.0	
10	PI/2 BPSK	1	1	19.39	19.38	19.36	21.0	0.0	

Part27O n78_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				649668	650000	650332	15.79	21.0	
Frequency (MHz)				3745.02	3750	3754.98			
100	PI/2 BPSK	1	1	19.27	19.35	19.41	21.0	0.0	
100	PI/2 BPSK	1	137		19.40				
100	PI/2 BPSK	1	271		19.34		21.0	0.0	
100	PI/2 BPSK	135	0		19.34				
100	PI/2 BPSK	135	69		19.38		21.0	0.0	
100	PI/2 BPSK	135	138		19.31				
100	PI/2 BPSK	270	0		19.33		21.0	0.0	
100	QPSK	1	1		19.24				
100	QPSK	1	137		19.29		21.0	0.0	
100	QPSK	1	271		19.30				
100	QPSK	135	0		19.26		21.0	0.0	
100	QPSK	135	69		19.27				
100	QPSK	135	138		19.22		21.0	0.0	
100	QPSK	270	0		19.24				
100	16QAM	1	1		19.29		21.0	0.0	
100	64QAM	1	1		18.30		21.0	1.0	
100	256QAM	1	1		15.79		21.0	3.0	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	21.0	0.0	
90	PI/2 BPSK	1	1	19.27	19.35	19.41	21.0	0.0	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	21.0	0.0	
80	PI/2 BPSK	1	1	19.25	19.33	19.34	21.0	0.0	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	21.0	0.0	
60	PI/2 BPSK	1	1	19.25	19.34	19.33	21.0	0.0	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	21.0	0.0	
50	PI/2 BPSK	1	1	19.27	19.36	19.41	21.0	0.0	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	21.0	0.0	
40	PI/2 BPSK	1	1	19.24	19.36	19.33	21.0	0.0	
Channel				647668	650000	652332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98	21.0	0.0	
30	PI/2 BPSK	1	1	19.29	19.34	19.36	21.0	0.0	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	21.0	0.0	
20	PI/2 BPSK	1	1	19.23	19.33	19.36	21.0	0.0	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	21.0	0.0	
15	PI/2 BPSK	1	1	19.23	19.35	19.35	21.0	0.0	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	21.0	0.0	
10	PI/2 BPSK	1	1	19.29	19.33	19.33	21.0	0.0	

Par27Q n78_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		14.19				
100	PI/2 BPSK	1	137		14.27		15.3	0.0	
100	PI/2 BPSK	1	271		14.18				
100	PI/2 BPSK	135	0		14.11		15.3	0.0	
100	PI/2 BPSK	135	69		14.19		15.3	0.0	
100	PI/2 BPSK	135	138		14.11		15.3	0.0	
100	PI/2 BPSK	270	0		14.15				
100	QPSK	1	1		14.12				
100	QPSK	1	137		14.15		15.3	0.0	
100	QPSK	1	271		14.13				
100	QPSK	135	0		14.17				
100	QPSK	135	69		14.14		15.3	0.0	
100	QPSK	135	138		14.12				
100	QPSK	270	0		14.17		15.3	0.0	
100	16QAM	1	1		14.16		15.3	0.0	
100	64QAM	1	1		14.17		15.3	0.0	
100	256QAM	1	1		14.17		15.3	0.0	
Channel				633000	633334	633666	↑ 100% ↑ limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1	14.10	14.21	14.18	15.3	0.0	
Channel				632668	633334	634000	↑ 100% ↑ limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	PI/2 BPSK	1	1	14.16	14.20	14.22	15.3	0.0	
Channel				632000	633334	634666	↑ 100% ↑ limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1	14.14	14.25	14.18	15.3	0.0	
Channel				631668	633334	635000	↑ 100% ↑ limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1	14.10	14.18	14.20	15.3	0.0	
Channel				631334	633334	635332	↑ 100% ↑ limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1	14.14	14.26	14.21	15.3	0.0	
Channel				631000	633334	635666	↑ 100% ↑ limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1	14.18	14.24	14.20	15.3	0.0	
Channel				630668	633334	636000	↑ 100% ↑ limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1	14.14	14.22	14.24	15.3	0.0	
Channel				630500	636666	642832	↑ 100% ↑ limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48			
15	PI/2 BPSK	1	1	14.10	14.25	14.22	15.3	0.0	
Channel				630334	636666	643000	↑ 100% ↑ limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645			
10	PI/2 BPSK	1	1	14.13	14.26	14.23	15.3	0.0	

Part27O n78_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		13.58				
100	PI/2 BPSK	1	137		13.62		15.3	0.0	
100	PI/2 BPSK	1	271		13.61				
100	PI/2 BPSK	135	0		13.56		15.3	0.0	
100	PI/2 BPSK	135	69		13.57		15.3	0.0	
100	PI/2 BPSK	135	138		13.55		15.3	0.0	
100	PI/2 BPSK	270	0		13.55				
100	QPSK	1	1		13.48				
100	QPSK	1	137		13.54		15.3	0.0	
100	QPSK	1	271		13.50				
100	QPSK	135	0		13.55				
100	QPSK	135	69		13.51		15.3	0.0	
100	QPSK	135	138		13.53				
100	QPSK	270	0		13.49		15.3	0.0	
100	16QAM	1	1		13.49		15.3	0.0	
100	64QAM	1	1		13.56		15.3	0.0	
100	256QAM	1	1		13.56		15.3	0.0	
Channel				649668	650000	650332	↑ 100% ↑ limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1	13.55	13.54	13.51	15.3	0.0	
Channel				649334	650000	650666	↑ 100% ↑ limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1	13.51	13.53	13.56	15.3	0.0	
Channel				648668	650000	651332	↑ 100% ↑ limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1	13.52	13.59	13.58	15.3	0.0	
Channel				648334	650000	651666	↑ 100% ↑ limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1	13.55	13.55	13.57	15.3	0.0	
Channel				648000	650000	652000	↑ 100% ↑ limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1	13.50	13.60	13.56	15.3	0.0	
Channel				647668	650000	652332	↑ 100% ↑ limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98			
30	PI/2 BPSK	1	1	13.53	13.58	13.55	15.3	0.0	
Channel				647334	650000	652666	↑ 100% ↑ limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	PI/2 BPSK	1	1	13.53	13.57	13.58	15.3	0.0	
Channel				647168	650000	652832	↑ 100% ↑ limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1	13.51	13.58	13.59	15.3	0.0	
Channel				647000	650000	653000	↑ 100% ↑ limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1	13.52	13.53	13.57	15.3	0.0	



Reduced Power for DSI 8/10

n7_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	16.5	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	15.87	15.90	15.88	16.5	0.0	
20	PI/2 BPSK	1	53	15.90	15.92	15.89			
20	PI/2 BPSK	1	104	15.86	15.91	15.81	16.5	0.0	
20	PI/2 BPSK	50	0	15.81	15.83	15.80			
20	PI/2 BPSK	50	28	15.82	15.85	15.82	16.5	0.0	
20	PI/2 BPSK	50	56	15.77	15.83	15.79			
20	PI/2 BPSK	100	0	15.76	15.82	15.80	16.5	0.0	
20	QPSK	1	1	15.78	15.78	15.75			
20	QPSK	1	53	15.74	15.76	15.79	16.5	0.0	
20	QPSK	1	104	15.77	15.83	15.77			
20	QPSK	50	0	15.78	15.82	15.75	16.5	0.0	
20	QPSK	50	28	15.74	15.80	15.76			
20	QPSK	50	56	15.75	15.81	15.81	16.5	0.0	
20	QPSK	100	0	15.74	15.80	15.76			
20	16QAM	1	1	15.77	15.77	15.77	16.5	0.0	
20	64QAM	1	1	15.81	15.82	15.79			
20	256QAM	1	1	15.81	15.83	15.77	16.5	0.0	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5	16.5	0.0	
15	PI/2 BPSK	1	1	15.76	15.83	15.73	16.5	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565	16.5	0.0	
10	PI/2 BPSK	1	1	15.78	15.80	15.78	16.5	0.0	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5	16.5	0.0	
5	PI/2 BPSK	1	1	15.79	15.84	15.73	16.5	0.0	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5	16.5	0.0	

n7_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	16.3	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	14.79	14.77	14.71	16.3	0.0	
20	PI/2 BPSK	1	53	14.82	14.83	14.79			
20	PI/2 BPSK	1	104	14.73	14.78	14.74	16.3	0.0	
20	PI/2 BPSK	50	0	14.68	14.80	14.74			
20	PI/2 BPSK	50	28	14.76	14.82	14.75	16.3	0.0	
20	PI/2 BPSK	50	56	14.73	14.75	14.66			
20	PI/2 BPSK	100	0	14.67	14.77	14.67	16.3	0.0	
20	QPSK	1	1	14.68	14.81	14.69			
20	QPSK	1	53	14.71	14.78	14.66	16.3	0.0	
20	QPSK	1	104	14.74	14.74	14.66			
20	QPSK	50	0	14.72	14.80	14.72	16.3	1.0	
20	QPSK	50	28	14.71	14.79	14.70			
20	QPSK	50	56	14.68	14.74	14.69	16.3	1.0	
20	QPSK	100	0	14.73	14.79	14.70			
20	16QAM	1	1	14.70	14.80	14.68	16.3	0.0	
20	64QAM	1	1	14.67	14.74	14.66			
20	256QAM	1	1	14.67	14.73	14.70	16.3	0.0	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5	16.3	0.0	
15	PI/2 BPSK	1	1	14.74	14.77	14.67	16.3	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565	16.3	0.0	
10	PI/2 BPSK	1	1	14.74	14.76	14.68	16.3	0.0	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5	16.3	0.0	
5	PI/2 BPSK	1	1	14.68	14.75	14.70	16.3	0.0	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5	16.3	0.0	

n66_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000	16.5	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	15.75	15.81	15.81	16.5	0.0	
40	PI/2 BPSK	1	108	15.76	15.85	15.82			
40	PI/2 BPSK	1	214	15.71	15.81	15.78			
40	PI/2 BPSK	108	0	15.68	15.69	15.74			
40	PI/2 BPSK	108	54	15.71	15.76	15.75			
40	PI/2 BPSK	108	108	15.63	15.68	15.67			
40	PI/2 BPSK	216	0	15.69	15.71	15.68			
40	QPSK	1	1	15.70	15.74	15.72			
40	QPSK	1	108	15.63	15.69	15.69			
40	QPSK	1	214	15.68	15.67	15.72			
40	QPSK	108	0	15.68	15.71	15.70	16.5	0.0	
40	QPSK	108	54	15.70	15.69	15.70	16.5	0.0	
40	QPSK	108	108	15.68	15.74	15.69	16.5	0.0	
40	QPSK	216	0	15.69	15.69	15.67	16.5	0.0	
40	16QAM	1	1	15.69	15.74	15.72	16.5	0.0	
40	64QAM	1	1	15.67	15.75	15.72	16.5	0.0	
40	256QAM	1	1	15.67	15.69	15.69	16.5	0.0	
Channel				345000	349000	353000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	16.5	0.0	
30	PI/2 BPSK	1	1	15.65	15.72	15.67			
Channel				344500	349000	353500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	16.5	0.0	
25	PI/2 BPSK	1	1	15.70	15.73	15.74			
Channel				344000	349000	354000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	16.5	0.0	
20	PI/2 BPSK	1	1	15.66	15.72	15.68			
Channel				343500	349000	354500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	16.5	0.0	
15	PI/2 BPSK	1	1	15.65	15.74	15.67			
Channel				343000	349000	355000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	16.5	0.0	
10	PI/2 BPSK	1	1	15.62	15.68	15.74			
Channel				342500	349000	355500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	16.5	0.0	
5	PI/2 BPSK	1	1	15.70	15.68	15.74			

n66_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	349000	353000	18.1	0.0	
Frequency (MHz)				1725	1745	1765			
40	PI/2 BPSK	1	1	16.62	16.62	16.60	18.1	0.0	
40	PI/2 BPSK	1	108	16.66	16.70	16.61			
40	PI/2 BPSK	1	214	16.64	16.63	16.60			
40	PI/2 BPSK	108	0	16.54	16.63	16.56			
40	PI/2 BPSK	108	54	16.62	16.67	16.59			
40	PI/2 BPSK	108	108	16.57	16.61	16.52			
40	PI/2 BPSK	216	0	16.55	16.66	16.50			
40	QPSK	1	1	16.59	16.59	16.53			
40	QPSK	1	108	16.53	16.66	16.57			
40	QPSK	1	214	16.56	16.61	16.58			
40	QPSK	108	0	16.59	16.58	16.54	18.1	0.0	
40	QPSK	108	54	16.59	16.62	16.53	18.1	0.0	
40	QPSK	108	108	16.55	16.66	16.52	18.1	0.0	
40	QPSK	216	0	16.55	16.60	16.53	18.1	0.0	
40	16QAM	1	1	16.60	16.61	16.54	18.1	0.0	
40	64QAM	1	1	16.60	16.58	16.57	18.1	0.0	
40	256QAM	1	1	16.58	16.66	16.54	17.1	1.0	
Channel				345000	349000	353000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	16.59	0.0	
30	PI/2 BPSK	1	1	16.59	16.59	16.56			
Channel				344500	349000	353500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	16.53	0.0	
25	PI/2 BPSK	1	1	16.53	16.63	16.58			
Channel				344000	349000	354000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	16.61	0.0	
20	PI/2 BPSK	1	1	16.61	16.61	16.56			
Channel				343500	349000	354500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	16.55	0.0	
15	PI/2 BPSK	1	1	16.55	16.64	16.51			
Channel				343000	349000	355000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	16.54	0.0	
10	PI/2 BPSK	1	1	16.54	16.59	16.57			
Channel				342500	349000	355500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	16.57	0.0	
5	PI/2 BPSK	1	1	16.57	16.59	16.50			

Par27Q n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		13.78				
100	PI/2 BPSK	1	137		13.83		14.8	0.0	
100	PI/2 BPSK	1	271		13.76				
100	PI/2 BPSK	135	0		13.77		14.8	0.0	
100	PI/2 BPSK	135	69		13.78		14.8	0.0	
100	PI/2 BPSK	135	138		13.74		14.8	0.0	
100	PI/2 BPSK	270	0		13.73				
100	QPSK	1	1		13.70				
100	QPSK	1	137		13.77		14.8	0.0	
100	QPSK	1	271		13.75				
100	QPSK	135	0		13.73				
100	QPSK	135	69		13.76		14.8	0.0	
100	QPSK	135	138		13.76				
100	QPSK	270	0		13.73		14.8	0.0	
100	16QAM	1	1		13.73		14.8	0.0	
100	64QAM	1	1		13.76		14.8	0.0	
100	256QAM	1	1		13.73		14.8	0.0	
Channel				633000	633334	633666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1		13.77	13.82	13.80	14.8	
Channel				632668	633334	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	PI/2 BPSK	1	1		13.77	13.78	13.76	14.8	
Channel				632000	633334	634666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1		13.69	13.80	13.82	14.8	
Channel				631668	633334	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1		13.69	13.77	13.77	14.8	
Channel				631334	633334	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1		13.71	13.81	13.79	14.8	
Channel				631000	633334	635666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1		13.74	13.74	13.74	14.8	
Channel				630668	633334	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1		13.77	13.81	13.80	14.8	
Channel				630500	636666	642832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48			
15	PI/2 BPSK	1	1		13.69	13.79	13.76	14.8	
Channel				630334	636666	643000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645			
10	PI/2 BPSK	1	1		13.70	13.77	13.76	14.8	

Part27O n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		13.52				
100	PI/2 BPSK	1	137		13.59		14.8	0.0	
100	PI/2 BPSK	1	271		13.51				
100	PI/2 BPSK	135	0		13.49		14.8	0.0	
100	PI/2 BPSK	135	69		13.51		14.8	0.0	
100	PI/2 BPSK	135	138		13.46		14.8	0.0	
100	PI/2 BPSK	270	0		13.48				
100	QPSK	1	1		13.43				
100	QPSK	1	137		13.47		14.8	0.0	
100	QPSK	1	271		13.45				
100	QPSK	135	0		13.45				
100	QPSK	135	69		13.43		14.8	0.0	
100	QPSK	135	138		13.46				
100	QPSK	270	0		13.46		14.8	0.0	
100	16QAM	1	1		13.49		14.8	0.0	
100	64QAM	1	1		13.44		14.8	0.0	
100	256QAM	1	1		13.47		14.8	0.0	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1		13.43	13.51	13.57	14.8	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1		13.44	13.53	13.54	14.8	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1		13.50	13.51	13.57	14.8	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1		13.45	13.54	13.52	14.8	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1		13.49	13.51	13.55	14.8	
Channel				647668	650000	652332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98			
30	PI/2 BPSK	1	1		13.44	13.55	13.51	14.8	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	PI/2 BPSK	1	1		13.50	13.51	13.51	14.8	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1		13.48	13.51	13.51	14.8	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1		13.48	13.52	13.58	14.8	

Par27Q n78_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		14.70				
100	PI/2 BPSK	1	137		14.75		16.5	0.0	
100	PI/2 BPSK	1	271		14.69				
100	PI/2 BPSK	135	0		14.65		16.0	0.5	
100	PI/2 BPSK	135	69		14.68		16.5	0.0	
100	PI/2 BPSK	135	138		14.67		16.0	0.5	
100	PI/2 BPSK	270	0		14.59				
100	QPSK	1	1		14.60				
100	QPSK	1	137		14.59		16.5	0.0	
100	QPSK	1	271		14.66				
100	QPSK	135	0		14.63				
100	QPSK	135	69		14.61		16.5	0.0	
100	QPSK	135	138		14.59				
100	QPSK	270	0		14.59		16.5	1.0	
100	16QAM	1	1		14.62		16.5	1.0	
100	64QAM	1	1		14.66		16.5	2.5	
100	256QAM	1	1		14.67		16.5	4.5	
Channel				633000	633334	633666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1	14.72	14.71	14.74	16.5	0.0	
Channel				632668	633334	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	PI/2 BPSK	1	1	14.72	14.68	14.66	16.5	0.0	
Channel				632000	633334	634666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1	14.74	14.67	14.67	16.5	0.0	
Channel				631668	633334	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1	14.74	14.71	14.71	16.5	0.0	
Channel				631334	633334	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1	14.70	14.71	14.67	16.5	0.0	
Channel				631000	633334	635666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1	14.66	14.74	14.74	16.5	0.0	
Channel				630668	633334	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1	14.71	14.66	14.66	16.5	0.0	
Channel				630500	636666	642832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48			
15	PI/2 BPSK	1	1	14.69	14.74	14.66	16.5	0.0	
Channel				630334	636666	643000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645			
10	PI/2 BPSK	1	1	14.73	14.74	14.66	16.5	0.0	

Par27O n78_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		15.19				
100	PI/2 BPSK	1	137		15.26		16.5	0.0	
100	PI/2 BPSK	1	271		15.24				
100	PI/2 BPSK	135	0		15.18		16.0	0.5	
100	PI/2 BPSK	135	69		15.22		16.5	0.0	
100	PI/2 BPSK	135	138		15.13		16.0	0.5	
100	PI/2 BPSK	270	0		15.17				
100	QPSK	1	1		15.14				
100	QPSK	1	137		15.15		16.5	0.0	
100	QPSK	1	271		15.17				
100	QPSK	135	0		15.15				
100	QPSK	135	69		15.21		16.5	0.0	
100	QPSK	135	138		15.13				
100	QPSK	270	0		15.19		16.5	1.0	
100	16QAM	1	1		15.15		16.5	1.0	
100	64QAM	1	1		15.14		16.5	2.5	
100	256QAM	1	1		15.16		16.5	4.5	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1	15.22	15.21	15.17	16.5	0.0	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1	15.25	15.21	15.21	16.5	0.0	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1	15.20	15.22	15.24	16.5	0.0	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1	15.17	15.21	15.20	16.5	0.0	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1	15.17	15.25	15.22	16.5	0.0	
Channel				647668	650000	652332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98			
30	PI/2 BPSK	1	1	15.19	15.18	15.17	16.5	0.0	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	PI/2 BPSK	1	1	15.17	15.25	15.23	16.5	0.0	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1	15.18	15.21	15.22	16.5	0.0	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1	15.18	15.21	15.20	16.5	0.0	

Par27Q n78_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	15.89					
100	PI/2 BPSK	1	137	15.91			17.5	0.0	
100	PI/2 BPSK	1	271	15.86					
100	PI/2 BPSK	135	0	15.84			17.5	0.0	
100	PI/2 BPSK	135	69	15.90			17.5	0.0	
100	PI/2 BPSK	135	138	15.89			17.5	0.0	
100	PI/2 BPSK	270	0	15.88					
100	QPSK	1	1	15.81					
100	QPSK	1	137	15.87			17.5	0.0	
100	QPSK	1	271	15.85					
100	QPSK	135	0	15.88					
100	QPSK	135	69	15.89			17.5	0.0	
100	QPSK	135	138	15.82					
100	QPSK	270	0	15.83			17.5	0.0	
100	16QAM	1	1	15.85			17.5	0.0	
100	64QAM	1	1	15.85			17.5	0.0	
100	256QAM	1	1	15.85			17.5	0.0	
Channel				633000	633334	633666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	17.5	0.0	
90	PI/2 BPSK	1	1	15.85	15.80	15.79	17.5	0.0	
Channel				632668	633334	634000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510	17.5	0.0	
80	PI/2 BPSK	1	1	15.89	15.78	15.61	17.5	0.0	
Channel				632000	633334	634666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	17.5	0.0	
60	PI/2 BPSK	1	1	15.83	15.85	15.82	17.5	0.0	
Channel				631668	633334	635000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	17.5	0.0	
50	PI/2 BPSK	1	1	15.89	15.85	15.82	17.5	0.0	
Channel				631334	633334	635332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	17.5	0.0	
40	PI/2 BPSK	1	1	15.83	15.78	15.80	17.5	0.0	
Channel				631000	633334	635666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99	17.5	0.0	
30	PI/2 BPSK	1	1	15.84	15.82	15.86	17.5	0.0	
Channel				630668	633334	636000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	17.5	0.0	
20	PI/2 BPSK	1	1	15.83	15.77	15.85	17.5	0.0	
Channel				630500	636666	642832	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48	17.5	0.0	
15	PI/2 BPSK	1	1	15.89	15.81	15.84	17.5	0.0	
Channel				630334	636666	643000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645	17.5	0.0	
10	PI/2 BPSK	1	1	15.87	15.81	15.85	17.5	0.0	

Part27O n78_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		15.83				
100	PI/2 BPSK	1	137		15.91		17.5	0.0	
100	PI/2 BPSK	1	271		15.82				
100	PI/2 BPSK	135	0		15.84		17.5	0.0	
100	PI/2 BPSK	135	69		15.85		17.5	0.0	
100	PI/2 BPSK	135	138		15.83		17.5	0.0	
100	PI/2 BPSK	270	0		15.76				
100	QPSK	1	1		15.82				
100	QPSK	1	137		15.82		17.5	0.0	
100	QPSK	1	271		15.76				
100	QPSK	135	0		15.82				
100	QPSK	135	69		15.84		17.5	0.0	
100	QPSK	135	138		15.78				
100	QPSK	270	0		15.78		17.5	0.0	
100	16QAM	1	1		15.76		17.5	0.0	
100	64QAM	1	1		15.80		17.5	0.0	
100	256QAM	1	1		15.79		17.5	0.0	
Channel				649668	650000	650332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	17.5	0.0	
90	PI/2 BPSK	1	1	15.80	15.87	15.83	17.5	0.0	
Channel				649334	650000	650666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	17.5	0.0	
80	PI/2 BPSK	1	1	15.80	15.83	15.87	17.5	0.0	
Channel				648668	650000	651332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	17.5	0.0	
60	PI/2 BPSK	1	1	15.81	15.85	15.85	17.5	0.0	
Channel				648334	650000	651666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	17.5	0.0	
50	PI/2 BPSK	1	1	15.77	15.87	15.84	17.5	0.0	
Channel				648000	650000	652000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	17.5	0.0	
40	PI/2 BPSK	1	1	15.80	15.90	15.89	17.5	0.0	
Channel				647668	650000	652332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98	17.5	0.0	
30	PI/2 BPSK	1	1	15.83	15.84	15.85	17.5	0.0	
Channel				647334	650000	652666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	17.5	0.0	
20	PI/2 BPSK	1	1	15.77	15.87	15.84	17.5	0.0	
Channel				647168	650000	652832	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	17.5	0.0	
15	PI/2 BPSK	1	1	15.80	15.85	15.88	17.5	0.0	
Channel				647000	650000	653000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	17.5	0.0	
10	PI/2 BPSK	1	1	15.79	15.89	15.85	17.5	0.0	

Par27Q n78_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		11.15				
100	PI/2 BPSK	1	137		11.22		12.3	0.0	
100	PI/2 BPSK	1	271		11.14				
100	PI/2 BPSK	135	0		11.09		12.3	0.0	
100	PI/2 BPSK	135	69		11.18		12.3	0.0	
100	PI/2 BPSK	135	138		11.17		12.3	0.0	
100	PI/2 BPSK	270	0		11.12				
100	QPSK	1	1		11.11				
100	QPSK	1	137		11.14		12.3	0.0	
100	QPSK	1	271		11.14				
100	QPSK	135	0		11.16				
100	QPSK	135	69		11.11		12.3	0.0	
100	QPSK	135	138		11.09				
100	QPSK	270	0		11.11		12.3	0.0	
100	16QAM	1	1		11.12		12.3	0.0	
100	64QAM	1	1		11.12		12.3	0.0	
100	256QAM	1	1		11.14		12.3	0.0	
Channel				633000	633334	633666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1		11.13	11.15	11.14	12.3	0.0
Channel				632668	633334	634000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	PI/2 BPSK	1	1		11.13	11.17	11.15	12.3	0.0
Channel				632000	633334	634666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1		11.16	11.13	11.17	12.3	0.0
Channel				631668	633334	635000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1		11.17	11.14	11.19	12.3	0.0
Channel				631334	633334	635332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1		11.13	11.21	11.13	12.3	0.0
Channel				631000	633334	635666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1		11.16	11.17	11.14	12.3	0.0
Channel				630668	633334	636000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1		11.15	11.19	11.14	12.3	0.0
Channel				630500	636666	642832	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48			
15	PI/2 BPSK	1	1		11.16	11.20	11.21	12.3	0.0
Channel				630334	636666	643000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645			
10	PI/2 BPSK	1	1		11.16	11.18	11.19	12.3	0.0

Part27O n78_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		10.57				
100	PI/2 BPSK	1	137		10.64		12.3	0.0	
100	PI/2 BPSK	1	271		10.57				
100	PI/2 BPSK	135	0		10.59		12.3	0.0	
100	PI/2 BPSK	135	69		10.61		12.3	0.0	
100	PI/2 BPSK	135	138		10.58		12.3	0.0	
100	PI/2 BPSK	270	0		10.54				
100	QPSK	1	1		10.55				
100	QPSK	1	137		10.58		12.3	0.0	
100	QPSK	1	271		10.59				
100	QPSK	135	0		10.53				
100	QPSK	135	69		10.55		12.3	0.0	
100	QPSK	135	138		10.55				
100	QPSK	270	0		10.53		12.3	0.0	
100	16QAM	1	1		10.56		12.3	0.0	
100	64QAM	1	1		10.52		12.3	0.0	
100	256QAM	1	1		10.52		12.3	0.0	
Channel				649668	650000	650332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1		10.54	10.60	10.56	12.3	0.0
Channel				649334	650000	650666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1		10.60	10.56	10.59	12.3	0.0
Channel				648668	650000	651332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1		10.53	10.63	10.57	12.3	0.0
Channel				648334	650000	651666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1		10.57	10.59	10.55	12.3	0.0
Channel				648000	650000	652000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1		10.58	10.55	10.56	12.3	0.0
Channel				647668	650000	652332	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98			
30	PI/2 BPSK	1	1		10.54	10.57	10.62	12.3	0.0
Channel				647334	650000	652666	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	PI/2 BPSK	1	1		10.55	10.60	10.56	12.3	0.0
Channel				647168	650000	652832	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1		10.57	10.55	10.62	12.3	0.0
Channel				647000	650000	653000	1 limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1		10.56	10.57	10.58	12.3	0.0



Reduced Power for DSI 9/10

n7_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	16.5	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	15.87	15.90	15.88			
20	PI/2 BPSK	1	53	15.90	15.92	15.89			
20	PI/2 BPSK	1	104	15.88	15.91	15.81	16.5	0.0	
20	PI/2 BPSK	50	0	15.81	15.83	15.80			
20	PI/2 BPSK	50	28	15.82	15.85	15.82			
20	PI/2 BPSK	50	56	15.77	15.83	15.79			
20	PI/2 BPSK	100	0	15.76	15.82	15.80	16.5	0.0	
20	QPSK	1	1	15.78	15.78	15.75			
20	QPSK	1	53	15.74	15.76	15.79			
20	QPSK	1	104	15.77	15.83	15.77			
20	QPSK	50	0	15.78	15.82	15.75	16.5	0.0	
20	QPSK	50	28	15.74	15.80	15.76			
20	QPSK	50	56	15.75	15.81	15.81			
20	QPSK	100	0	15.74	15.80	15.76			
20	16QAM	1	1	15.77	15.77	15.77	16.5	0.0	
20	64QAM	1	1	15.81	15.82	15.79			
20	256QAM	1	1	15.81	15.83	15.77			
Channel				501500	507000	512500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	16.5	0.0	
15	PI/2 BPSK	1	1	15.76	15.83	15.73			
Channel				501000	507000	513000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	16.5	0.0	
10	PI/2 BPSK	1	1	15.78	15.80	15.78			
Channel				500500	507000	513500	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	16.5	0.0	
5	PI/2 BPSK	1	1	15.79	15.84	15.73			

n66_Ant 11												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				346000	349000	352000	16.5	0.0				
Frequency (MHz)				1730	1745	1760						
40	PI/2 BPSK	1	1	15.75	15.81	15.81						
40	PI/2 BPSK	1	108	15.76	15.85	15.82	16.5	0.0				
40	PI/2 BPSK	1	214	15.71	15.81	15.78						
40	PI/2 BPSK	108	0	15.68	15.69	15.74						
40	PI/2 BPSK	108	54	15.71	15.76	15.75	16.5	0.0				
40	PI/2 BPSK	108	108	15.63	15.68	15.67						
40	PI/2 BPSK	216	0	15.69	15.71	15.68						
40	QPSK	1	1	15.70	15.74	15.72	16.5	0.0				
40	QPSK	1	108	15.63	15.69	15.69						
40	QPSK	1	214	15.68	15.67	15.72						
40	QPSK	108	0	15.68	15.71	15.70	16.5	0.0				
40	QPSK	108	54	15.70	15.69	15.70						
40	QPSK	108	108	15.68	15.74	15.69						
40	QPSK	216	0	15.69	15.69	15.67	16.5	0.0				
40	16QAM	1	1	15.69	15.74	15.72						
40	64QAM	1	1	15.67	15.75	15.72						
40	256QAM	1	1	15.67	15.69	15.69	16.5	0.0				
Channel				345000	349000	353000				1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765				16.5	0.0	
30	PI/2 BPSK	1	1	15.65	15.72	15.67						
Channel				344500	349000	353500	1 tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1722.5	1745	1767.5	16.5	0.0				
25	PI/2 BPSK	1	1	15.70	15.73	15.74						
Channel				344000	349000	354000	1 tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1720	1745	1770	16.5	0.0				
20	PI/2 BPSK	1	1	15.66	15.72	15.68						
Channel				343500	349000	354500	1 tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1717.5	1745	1772.5	16.5	0.0				
15	PI/2 BPSK	1	1	15.65	15.74	15.67						
Channel				343000	349000	355000	1 tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1715	1745	1775	16.5	0.0				
10	PI/2 BPSK	1	1	15.62	15.68	15.74						
Channel				342500	349000	355500	1 tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1712.5	1745	1777.5	16.5	0.0				
5	PI/2 BPSK	1	1	15.70	15.68	15.74						

Par27Q n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334				
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		13.78				
100	PI/2 BPSK	1	137		13.83		14.8	0.0	
100	PI/2 BPSK	1	271		13.76				
100	PI/2 BPSK	135	0		13.77		14.8	0.0	
100	PI/2 BPSK	135	69		13.78		14.8	0.0	
100	PI/2 BPSK	135	138		13.74		14.8	0.0	
100	PI/2 BPSK	270	0		13.73				
100	QPSK	1	1		13.70				
100	QPSK	1	137		13.77		14.8	0.0	
100	QPSK	1	271		13.75				
100	QPSK	135	0		13.73				
100	QPSK	135	69		13.76		14.8	0.0	
100	QPSK	135	138		13.76				
100	QPSK	270	0		13.73		14.8	0.0	
100	16QAM	1	1		13.73		14.8	0.0	
100	64QAM	1	1		13.76		14.8	0.0	
100	256QAM	1	1		13.73		14.8	0.0	
Channel				633000	633334	633666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1	13.77	13.82	13.80	14.8	0.0	
Channel				632668	633334	634000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	PI/2 BPSK	1	1	13.77	13.78	13.76	14.8	0.0	
Channel				632000	633334	634666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1	13.69	13.80	13.82	14.8	0.0	
Channel				631668	633334	635000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1	13.69	13.77	13.77	14.8	0.0	
Channel				631334	633334	635332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1	13.71	13.81	13.79	14.8	0.0	
Channel				631000	633334	635666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1	13.74	13.74	13.74	14.8	0.0	
Channel				630668	633334	636000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1	13.77	13.81	13.80	14.8	0.0	
Channel				630500	636666	642832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3549.99	3642.48			
15	PI/2 BPSK	1	1	13.69	13.79	13.76	14.8	0.0	
Channel				630334	636666	643000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3549.99	3645			
10	PI/2 BPSK	1	1	13.70	13.77	13.76	14.8	0.0	

Part27O n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		13.52				
100	PI/2 BPSK	1	137		13.59		14.8	0.0	
100	PI/2 BPSK	1	271		13.51				
100	PI/2 BPSK	135	0		13.49		14.8	0.0	
100	PI/2 BPSK	135	69		13.51		14.8	0.0	
100	PI/2 BPSK	135	138		13.46		14.8	0.0	
100	PI/2 BPSK	270	0		13.48				
100	QPSK	1	1		13.43				
100	QPSK	1	137		13.47		14.8	0.0	
100	QPSK	1	271		13.45				
100	QPSK	135	0		13.45				
100	QPSK	135	69		13.43		14.8	0.0	
100	QPSK	135	138		13.46				
100	QPSK	270	0		13.46		14.8	0.0	
100	16QAM	1	1		13.49		14.8	0.0	
100	64QAM	1	1		13.44		14.8	0.0	
100	256QAM	1	1		13.47		14.8	0.0	
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1	13.43	13.51	13.57	14.8	0.0	
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI/2 BPSK	1	1	13.44	13.53	13.54	14.8	0.0	
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1	13.50	13.51	13.57	14.8	0.0	
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1	13.45	13.54	13.52	14.8	0.0	
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1	13.49	13.51	13.55	14.8	0.0	
Channel				647668	650000	652332	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98			
30	PI/2 BPSK	1	1	13.44	13.55	13.51	14.8	0.0	
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	PI/2 BPSK	1	1	13.50	13.51	13.51	14.8	0.0	
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1	13.48	13.51	13.51	14.8	0.0	
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1	13.48	13.52	13.58	14.8	0.0	



Conducted Power for WLAN/Bluetooth

2.4GHz WLAN					Full Power		Receiver On (Head) Standalone&Simultaneous transmission		Receiver Off (Body worn) Standalone		Receiver Off (Hotspot) Simultaneous transmission		Duty Cycle %
	Mode	Channel	Frequency (MHz)	RU Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
2.4GHz WLAN	802.11b 1Mbps	1	2412	Full	18.91	20.00	12.86	14.00	18.91	20.00	17.84	19.00	99.41
		6	2437	Full	18.64	20.00	12.67	14.00	18.64	20.00	17.80	19.00	
		11	2462	Full	18.54	20.00	12.63	14.00	18.54	20.00	17.75	19.00	
	802.11g 6Mbps	1	2412	Full	14.80	16.00	Not Required	14.00	Not Required	16.00	Not Required	16.00	97.20
		6	2437	Full	17.39	19.00		14.00		19.00		19.00	
		11	2462	Full	15.60	17.00		14.00		17.00		17.00	
	802.11n-HT20 MCS0	1	2412	Full	14.74	16.00		14.00		16.00		16.00	96.30
		6	2437	Full	16.45	18.00		14.00		18.00		18.00	
		11	2462	Full	15.53	17.00		14.00		17.00		17.00	
	802.11ax-HE20 MCS0	1	2412	Full	15.01	16.00		14.00		16.00		16.00	95.28
				26/0	13.09	15.00		14.00		15.00		15.00	
				25/37	16.06	18.00		14.00		18.00		18.00	
				106/53	14.26	16.00		14.00		16.00		16.00	
		6	2437	Full	16.58	18.00		14.00		18.00		18.00	
				Full	14.77	16.00		14.00		16.00		16.00	
				26/8	13.39	15.00		14.00		15.00		15.00	
		11	2462	Full	14.77	16.00		14.00		18.00		18.00	
				26/8	13.39	15.00		14.00		15.00		15.00	
				52/40	16.31	18.00		14.00		18.00		18.00	
				106/54	14.28	16.00		14.00		16.00		16.00	

5.2GHz WLAN					Full Power		Receiver On (Head) Standalone&Simultaneous transmission		Receiver Off (Body worn) Standalone		Receiver Off (Hotspot) Simultaneous transmission		Duty Cycle %
	Mode	Channel	Frequency (MHz)	RU Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.2GHz WLAN	802.11a 6Mbps	36	5180	Full	14.43	16.00	Not Required	12.00	Not Required	16.00	Not Required	16.00	97.20
		40	5200	Full	17.58	19.00		12.00		19.00		17.00	
		44	5220	Full	17.40	19.00		12.00		19.00		17.00	
		48	5240	Full	17.62	19.00		12.00		19.00		17.00	
	802.11n-HT20 MCS0	36	5180	Full	14.96	16.00		12.00		16.00		16.00	96.30
		40	5200	Full	17.84	19.00		12.00		19.00		17.00	
		44	5220	Full	17.98	19.00		12.00		19.00		17.00	
		48	5240	Full	17.89	19.00		12.00		19.00		17.00	
	802.11n-HT40 MCS0	38	5190	Full	10.94	12.00		12.00		12.00	10.94	12.00	92.75
		46	5230	Full	16.96	18.00		12.00		18.00	15.86	17.00	
	802.11ac-VHT20 MCS0	36	5180	Full	14.44	16.00		12.00		16.00	Not Required	16.00	97.04
		40	5200	Full	15.83	17.50		12.00		17.50		17.00	
		44	5220	Full	15.94	17.50		12.00		17.50		17.00	
		48	5240	Full	16.07	17.50		12.00		17.50		17.00	
	802.11ac-VHT40 MCS0	38	5190	Full	10.92	12.00		12.00		12.00		12.00	92.86
		46	5230	Full	16.48	17.50		12.00		17.50		17.00	
	802.11ac-VHT80 MCS0	42	5210	Full	10.41	11.50		11.50		11.50		11.50	88.89
				Full	15.12	16.50		12.00		16.50		16.50	
	802.11ax-HE20 MCS0	36	5180	26/0	10.25	12.00		12.00		12.00		12.00	95.28
				52/37	13.26	15.00		12.00		15.00		15.00	
				106/53	15.98	17.50		12.00		17.50		17.00	
				Full	16.24	17.50		12.00		17.50		17.00	
		40	5200	Full	16.32	17.50		12.00		17.50	Not Required	17.00	
		44	5220	Full	16.27	17.50		12.00		17.50		17.00	
		48	5240	26/8	10.65	12.00		12.00		12.00		12.00	
				52/40	13.75	15.00		12.00		15.00		15.00	
				106/54	16.04	17.50		12.00		17.50		17.00	
				Full	13.47	14.50		12.00		14.50		14.50	
	802.11ax-HE40 MCS0	38	5190	242/61	15.15	16.50		12.00		16.50		16.50	91.38
		46	5230	Full	16.49	17.50		12.00		17.50		17.00	
	802.11ax-HE80 MCS0	42	5210	242/62	16.36	17.50		12.00		17.50		17.00	87.88
				Full	12.80	14.00		12.00		14.00		14.00	
				484/65	13.29	14.50		12.00		14.50		14.50	
				484/66	13.48	14.50		12.00		14.50		14.50	

5.3GHz WLAN					Full Power		Receiver On (Head) Standalone&Simultaneous transmission		Receiver Off (Body worn) Standalone		Duty Cycle %
	Mode	Channel	Frequency (MHz)	RU Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.3GHz WLAN	802.11a 6Mbps	52	5260	Full	17.86	19.00	Not Required	12.00	17.86	19.00	97.20
		56	5280	Full	17.82	19.00		12.00	17.82	19.00	
		60	5300	Full	17.82	19.00		12.00	17.92	19.00	
		64	5320	Full	15.99	17.00		12.00	15.99	17.00	
	802.11n-HT20 MCS0	52	5260	Full	17.36	19.00		12.00	19.00	96.30	
		56	5280	Full	17.38	19.00		12.00	19.00		
		60	5300	Full	17.42	19.00		12.00	19.00		
		64	5320	Full	15.62	17.00		12.00	17.00		
	802.11n-HT40 MCS0	54	5270	Full	16.83	18.00		12.00	18.00	92.75	
		62	5310	Full	12.98	14.00		12.00	14.00		
	802.11ac-VHT20 MCS0	52	5260	Full	15.97	17.50		12.00	17.50	97.04	
		56	5280	Full	16.07	17.50		12.00	17.50		
		60	5300	Full	16.14	17.50		12.00	17.50		
		64	5320	Full	15.59	17.00		12.00	17.00		
	802.11ac-VHT40 MCS0	54	5270	Full	16.37	17.50		12.00	17.50	92.86	
		62	5310	Full	12.95	14.00		12.00	14.00		
	802.11ac-VHT80 MCS0	58	5290	Full	11.47	12.50	10.94	12.00	12.50	88.89	
				Full	16.15	17.50	12.00	17.50	Not Required		
	802.11ax-HE20 MCS0	52	5260	26/0	10.36	12.00	12.00	12.00		12.00	95.28
				52/37	13.49	15.00	12.00	15.00			
				106/53	16.16	17.50	12.00	17.50			
				Full	16.15	17.50	12.00	17.50			
		56	5280	Full	16.22	17.50	12.00	17.50			
				Full	16.28	17.50	12.00	17.50			
				Full	16.39	17.50	12.00	17.50			
		64	5320	26/8	10.72	12.00	12.00	12.00			
				52/40	13.80	15.00	12.00	15.00			
				106/54	16.13	17.50	12.00	17.50			
	802.11ax-HE40 MCS0	54	5270	Full	16.47	17.50	12.00	17.50		91.38	
		62	5310	242/61	16.22	17.50	12.00	17.50			
	Full			13.97	15.00	12.00	15.00				
	802.11ax-HE80 MCS0	58	5290	242/62	16.31	17.50	12.00	17.50			87.88
				Full	12.43	13.50	12.00	13.50			
			484/65	13.98	15.00	12.00	15.00				
		484/66	13.03	14.00	12.00	14.00					



Conducted Power for WLAN/Bluetooth

5.5GHz WLAN					Full Power		Receiver On (Head) Standalone&Simultaneous transmission		Receiver Off (Body worn) Standalone		Duty Cycle %
	Mode	Channel	Frequency (MHz)	RU Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.5GHz WLAN	802.11a 6Mbps	100	5500	Full	15.48	16.50	Not Required	12.00	15.48	16.50	97.20
		116	5580	Full	17.78	19.00		12.00	17.78	19.00	
		124	5620	Full	17.64	19.00		12.00	17.64	19.00	
		132	5660	Full	17.62	19.00		12.00	17.62	19.00	
		140	5700	Full	13.44	14.50		12.00	13.44	14.50	
		144	5720	Full	17.69	19.00		12.00	17.69	19.00	
	802.11n-HT20 MCS0	100	5500	Full	15.12	16.50		12.00		16.50	96.30
		116	5580	Full	17.20	19.00		12.00		19.00	
		124	5620	Full	17.13	19.00		12.00		19.00	
		132	5660	Full	17.16	19.00		12.00		19.00	
		140	5700	Full	12.99	14.50		12.00		14.50	
		144	5720	Full	17.14	19.00		12.00		19.00	
	802.11n-HT40 MCS0	102	5510	Full	12.47	13.50		12.00		13.50	92.75
		110	5550	Full	16.96	18.00		12.00		18.00	
		126	5630	Full	16.88	18.00		12.00		18.00	
		134	5670	Full	14.73	16.00		12.00		16.00	
		142	5710	Full	16.57	18.00		12.00		18.00	
		100	5500	Full	15.10	16.50		12.00		16.50	97.04
	802.11ac-VHT20 MCS0	116	5580	Full	15.82	17.50		12.00		17.50	
		124	5620	Full	15.77	17.50		12.00		17.50	
		132	5660	Full	15.74	17.50		12.00		17.50	
		140	5700	Full	12.96	14.50		12.00		14.50	
		144	5720	Full	15.79	17.50		12.00		17.50	
	802.11ac-VHT40 MCS0	102	5510	Full	12.44	13.50		12.00		13.50	92.66
		110	5550	Full	16.45	17.50		12.00		17.50	
		126	5630	Full	16.41	17.50		12.00		17.50	
		134	5670	Full	14.70	16.00		12.00		16.00	
		142	5710	Full	16.15	17.50		12.00		17.50	
	802.11ac-VHT80 MCS0	106	5530	Full	11.45	12.50	10.94	12.00		12.50	88.89
		122	5610	Full	16.06	17.50	10.98	12.00		17.50	
		138	5690	Full	16.01	17.50	10.73	12.00		17.50	
	802.11ax-HE20 MCS0	100	5500	Full	13.35	14.50	Not Required	12.00	Not Required	14.50	95.28
				26/D	10.30	12.00		12.00		12.00	
				25/37	13.60	15.00		12.00		15.00	
				106/53	13.92	15.00		12.00		15.00	
				116	5580	Full		12.00		17.50	
				124	5620	Full		12.00		17.50	
		140	5700	Full	16.08	17.50		12.00		17.50	
				Full	11.68	13.00		12.00		13.00	
				26/B	10.14	12.00		12.00		12.00	
				52/40	13.44	15.00		12.00		15.00	
				106/54	13.75	15.00		12.00		15.00	
				Full	16.08	17.50		12.00		17.50	
		144	5720	Full	12.33	14.00		12.00		14.00	
				52/40	15.80	17.50		12.00		17.50	
				106/54	16.10	17.50		12.00		17.50	
				Full	11.95	13.00		12.00		13.00	
				242/61	13.41	14.50		12.00		14.50	
				110	5550	Full		12.00		17.50	
	802.11ax-HE40 MCS0	126	5630	Full	16.46	17.50		12.00		17.50	91.38
		134	5670	Full	15.45	16.50		12.00		16.50	
		142	5710	242/62	11.61	13.00		12.00		13.00	
				Full	16.48	17.50		12.00		17.50	
				242/62	16.25	17.50		12.00		17.50	
				Full	11.81	13.00		12.00		13.00	
	802.11ax-HE80 MCS0	106	5530	Full	16.30	17.50		12.00		17.50	87.88
		122	5610	484/65	12.13	13.00		12.00		13.00	
				Full	16.30	17.50		12.00		17.50	
		138	5690	484/66	16.30	17.50		12.00		17.50	
				Full	16.25	17.50		12.00		17.50	
				484/66	16.24	17.50		12.00		17.50	

5.8GHz WLAN					Full Power		Receiver On (Head) Standalone&Simultaneous transmission		Receiver Off (Body worn) Standalone		Receiver Off (Hotspot) Simultaneous transmission		Duty Cycle %
	Mode	Channel	Frequency (MHz)	RU Config	Average power (dbm)	Tune-Up Limit	Average power (dbm)	Tune-Up Limit	Average power (dbm)	Tune-Up Limit	Average power (dbm)	Tune-Up Limit	
5.8GHz WLAN	802.11a 6Mbps	149	5745	Full	17.73	19.00	Not Required	12.00	17.73	19.00		17.00	97.20
		157	5785	Full	17.83	19.00		12.00	17.83	19.00		17.00	
		165	5825	Full	17.79	19.00		12.00	17.79	19.00		17.00	
	802.11n-HT20 MCS0	149	5745	Full	17.26	19.00		12.00		19.00	Not Required	17.00	96.30
		157	5785	Full	17.26	19.00		12.00		19.00		17.00	
		165	5825	Full	17.23	19.00		12.00		19.00		17.00	
	802.11n-HT40 MCS0	151	5755	Full	16.68	18.00		12.00		18.00		17.00	92.75
		159	5795	Full	16.74	18.00		12.00		18.00		17.00	
		149	5745	Full	15.80	17.50		12.00		17.50		17.00	
	802.11ac-VHT20 MCS0	157	5785	Full	15.82	17.50		12.00		17.50		17.00	97.04
		165	5825	Full	15.81	17.50		12.00		17.50		17.00	
		151	5755	Full	16.24	17.50		12.00		17.50		17.00	
	802.11ac-VHT40 MCS0	159	5795	Full	16.22	17.50		12.00		17.50		17.00	92.86
		155	5775	Full	16.00	17.50	10.62	12.00		17.50		17.00	
		802.11ax-HE20 MCS0	149	5745	Full	15.08	16.50	12.00	Not Required	16.50	Not Required	16.50	95.28
	26/D				14.52	16.50	12.00	16.50		16.50			
	52/37				14.87	16.50	12.00	16.50		16.50			
	106/53				15.11	16.50	12.00	16.50		16.50			
	Full				15.16	16.50	12.00	16.50		16.50			
	Full				15.21	16.50	12.00	16.50		16.50			
	157		5785	26/B	14.74	16.50	12.00	16.50		16.50			
				52/40	14.97	16.50	12.00	16.50		16.50			
				106/54	15.19	16.50	12.00	16.50		16.50			
				Full	15.44	16.50	12.00	16.50		16.50			
				242/61	15.32	16.50	12.00	16.50		16.50			
				Full	15.47	16.50	12.00	16.50		16.50			
	802.11ax-HE40 MCS0	159	5795	242/62	15.38	16.50	12.00	16.50		16.50		91.38	
				Full	15.30	16.50	12.00	16.50		16.50			
				484/65	15.25	16.50	12.00	16.50		16.50			
	802.11ax-HE80 MCS0	155	5775	484/66	15.33	16.50	12.00	16.50		16.50		87.88	
				Full	15.30	16.50	12.00	16.50		16.50			
				484/66	15.33	16.50	12.00	16.50		16.50			



BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			BR			EDR						
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	10.63	10.71	10.78	7.46	7.53	7.61	7.44	7.52	7.61	12.50
	CH 39	2441	11.18	11.26	11.35	8.14	8.27	8.35	8.18	8.24	8.33	12.50
	CH 78	2480	10.39	10.45	10.52	7.07	7.14	7.22	6.93	6.99	7.06	12.50

BLE

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	10.63	10.69
	CH 19	2440	11.26	11.38
	CH 39	2480	10.07	10.20
Tune-up Limit			12.5	